CONSTRUCTION NEWS

Engineering News-Record, March 19, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Irrigation work, Grass Valley, Calif., Nevada Irrigation Dist. voted $7,250,000 bonds for irrigation work.

Store and Theater, A. G. Candler, Jr., having plans prepared, $6,000,000.

Sewers, Los Angeles, Calif., Metropolitan Sewerage Dist. voted $3,600,000 bonds for sewers in dist. 1; $3,520,000 for dist 2; $1,200,000 for dist. 5.

Hotel and Garage, Indianapolis, Ind., E. G. Spink having plans prepared, 8 story and basement, $3,500,000.

Dam, Leeper, Mo., Black River Power & Development Co. plan large power dam to generate power and to protect farm land, $3,500,000.

Church, Dallas, Tex., City Temple Presbyterian Church having plans prepared, $2,000,000.

Hotel, Portland, Ore., L. A. Phillips plans hotel, $2,000,000.

Bridge, Oregon and Washington, State Highway Engineer plans interstate bridge, $2,000,000.

Water works improvement, Amarillo, Tex., $1,750,000 bonds voted for improvement of water works.

Roads and bridges, Gulfport, Miss., Harrison Co. voted $1,500,000 bonds for roads and bridges.

Orphanage, Cleveland Heights, O., Jewish Orphans' Home having plans prepared, $1,500,000.

Bridge, Wilmington, N. C., New Hanover Co. has been authorized to borrow $1,500,000 for bridge.

Roads and bridge, Wilson, N. C., Wilson Co. voted $1,250,000 bonds for roads and bridge.

Office, St. Louis, Mo., Local Syndicate making preliminary plans for hotel, $1,000,000.

Roads, Statesville, N. C., voted $1,000,000 bonds for roads.

Bids Wanted On Big Jobs

Auditorium, Minneapolis, Minn., City Council Auditorium Com., $2,500,000.

High School, Cleveland Heights, O., Bd. of Educ., $1,500,000.

Garage, Boston, Mass., J. M. Howe, $1,500,000.

High School, Harrisburg, Pa., Bd. of Directors, $1,000,000.

Large Contracts Let During Week

Business School, Brighton, Mass., Harvard University to Hegeman Harris Co., $5,000,000.

High School, Jamaica, N. Y., Bd. of Educ., gen. contract to Lustbader Constr. Co., $2,083,980; plumbing to T. E. OBrien, Inc., $123,480.

Club, Chicago, Ill., Standard Club to Mellon-Stuart Co., $1,500,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
WATERWORKS		
Mar. 23	St. Augustine, Fla.	Feb. 19
Mar. 23	New Holstein, Wis.	Mar. 19
Mar. 23	Menomonee Falls, Wis.	Mar. 19
Mar. 24	Cincinnati, O.	Mar. 19
Mar. 25	Minneapolis, Minn.	Mar. 19
Mar. 25	New York, N. Y.	Mar. 19
Mar. 25	St. George, N. Y.	Mar. 19
Mar. 27	Cleveland, O.	Mar. 19
Mar. 27	Brooklyn, N. Y.	Mar. 19
Mar. 30	Bridgewater, Mass.	Mar. 12
Mar. 31	Hagerstown, Md. Adv. Mar. 12 and 19.	Mar. 12
Mar. 31	Mayville, Wis.	Mar. 19
Apr. 2	Oneida, N. Y. Adv. Mar. 12 and 19.	Mar. 12
Apr. 6	Anderson, Ind.	Mar. 12
Apr. 8	Winona, Minn. Adv. Mar. 19.	Mar. 19
Apr. 13	Bellingham, Wash.	Mar. 12
Apr. 14	Spartanburg, S. C. Adv. Mar. 5 to 19.	Mar. 5
Apr. 14	Wisconsin Rapids, Wis. Adv. Mar. 19.	Mar. 19
Apr. 15	Apex, N. C. Adv. Mar. 19.	Mar. 19
SEWERS		
Mar. 23	Garfield Heights, (Cleveland P. O.), O.	Mar. 19
Mar. 24	Milwaukee, Wis.	Mar. 19
Mar. 25	Baltimore, Md.	Mar. 19
Mar. 25	Toronto, Ont.	Mar. 19
Mar. 26	New York, N. Y.	Mar. 19
Mar. 30	Wilson, N. C.	Mar. 19
Mar. 30	San Diego, Calif.	Mar. 19
Mar. 31	Juniata (branch of Altoona), Pa.	Mar. 19
Mar. 31	Burbank, Calif.	Mar. 19
Apr. 2	Rome, N. Y.	Mar. 5
WASTE DISPOSAL		
Apr. 2	Buffalo, N. Y.	Mar. 19
BRIDGES		
Mar. 23	St. Augustine, Fla.	Feb. 19
Mar. 23	Northampton, Mass.	Mar. 12
Mar. 24	Hughesville, Pa.	Mar. 12
Mar. 25	West Virginia	Mar. 5
Mar. 27	Tennessee	Mar. 19
Mar. 27	Wyoming	Mar. 19
Mar. 28	Missouri	Mar. 19
Mar. 30	Karnes City, Tex.	Mar. 12
Mar. 30	New Jersey Adv. Mar. 12 and 19.	Mar. 12
Mar. 31	Louisiana	Feb. 26
Mar. 31	Georgetown, S. C.	Mar. 12
Mar. 31	Louisiana	Mar. 19
Apr. 1	Huntington, W. Va. Adv. Mar. 5 to 19.	Mar. 5
Apr. 2	Pennsylvania	Mar. 19
Apr. 2	Perth Amboy, N. J. Adv. Mar. 12 and 19.	Mar. 12
Apr. 2	Hamburg, N. Y. Adv. Mar. 12 and 19.	Mar. 12
DAM		
Apr. 7	Burton, B. C.	Mar. 19
EXCAVATION, DRAINAGE IRRIGATION, LEVEES		
Apr. 1	Clewiston, Fla.	Mar. 5
Apr. 6	Buffalo, N. Y. Adv. Mar. 19.	Mar. 19
Apr. 27	Leesburg, Fla. Adv. Mar. 12 and 19.	Mar. 12
STREETS AND ROADS		
Mar. 21	Toronto, Ont.	Mar. 19
Mar. 23	Clarksburg, W. Va.	Mar. 12
Mar. 23	Ontario	Mar. 12
Mar. 23	Indianola, Ia.	Mar. 12
Mar. 23	Sioux Falls, S. D.	Mar. 12
Mar. 23	Galesburg, Ill.	Mar. 19
Mar. 23	East Providence, R. I.	Mar. 19
Mar. 23	Long Island City, N. Y.	Mar. 19
Mar. 23	Oakmont, Pa.	Mar. 19
Mar. 23	Ottumwa, Ia.	Mar. 19
Mar. 24	Canton, O.	Mar. 19
Mar. 24	South Dakota	Mar. 19
Mar. 24	New Brunswick, N. J.	Mar. 19
Mar. 24	North Dakota	Feb. 26
Mar. 24	New Orleans, La.	Mar. 5
Mar. 24	West Virginia	Mar. 5
Mar. 24	Appleton, Wis.	Mar. 5
Mar. 24	North Carolina	Mar. 5
Mar. 24	St. Louis, Mo.	Mar. 5
Mar. 24	Henrietta, Tex.	Mar. 5
Mar. 24	El Paso, Tex.	Mar. 12
Mar. 24	South Dakota	Mar. 12
Mar. 24	Louisville, Miss.	Mar. 12
Mar. 24	Maryland Adv. Mar. 12 and 19.	Mar. 12
Mar. 24	Walterboro, S. C.	Mar. 12
Mar. 24	Elkhorn, Wis.	Mar. 19
Mar. 24	Roxbury (Boston P. O.), Mass.	Mar. 19
Mar. 24	Bastrop, La.	Mar. 19
Mar. 24	Michigan	Mar. 19
Mar. 25	Rhode Island Adv. Mar. 12 and 19.	Mar. 12
Mar. 25	Shadyside, O.	Mar. 19
Mar. 25	Nevada	Mar. 19
Mar. 25	Cleveland, O.	Mar. 19
Mar. 25	Alabama	Mar. 19
Mar. 25	Salisbury, Mo.	Mar. 19
Mar. 25	Lisbon, O.	Mar. 19
Mar. 26	West Virginia	Mar. 5
Mar. 26	Virginia	Mar. 12
Mar. 26	Janesville, Wis.	Mar. 19
Mar. 26	Kenosha, Wis.	Mar. 19
Mar. 26	Michigan	Mar. 19
Mar. 26	New York, N. Y.	Mar. 19
Mar. 26	Baltimore, Md.	Mar. 19
Mar. 27	Sweetwater, Tex.	Mar. 5
Mar. 27	Sinton, Tex.	Mar. 12
Mar. 27	Pennsylvania Adv. Mar. 12 and 19.	Mar. 12
Mar. 27	Deal, N. J. Adv. Mar. 12 and 19.	Mar. 12
Mar. 27	Tennessee	Mar. 19
Mar. 27	Wyoming	Mar. 19
Mar. 27	North Beach Haven, N. J.	Mar. 19
Mar. 27	Michigan	Mar. 19
Mar. 27	Quebec	Mar. 19
Mar. 28	Missouri	Mar. 19
Mar. 29	California	Feb. 19
Mar. 30	Duluth, Minn.	Feb. 12
Mar. 30	Kingston, Pa.	Mar. 12
Mar. 30	Akron, O.	Mar. 12
Mar. 30	Central Falls, R. I. Adv. Mar. 19.	Mar. 19
Mar. 30	Millersburg, O. Adv. Mar. 19.	Mar. 19
Mar. 30	San Diego, Calif.	Mar. 19
Mar. 31	Water Valley, Miss.	Mar. 19
Mar. 31	Pennington, N. J.	Mar. 19
Mar. 31	Louisiana	Mar. 19
Mar. 31	Albany, Tex.	Mar. 19
Mar. 31	Quebec	Mar. 19
Mar. 31	Michigan	Mar. 19
Mar. 31	Trenton, N. J. Adv. Mar 19.	Mar. 19
Apr. 1	Birmingham, Ala.	Feb. 19
Apr. 1	Tuscaloosa, Ala.	Feb. 19
Apr. 1	Cape May, N. J. Adv. Mar. 12 and 19.	Mar. 12
Apr. 1	Nevada	Mar. 19
Apr. 2	Michigan	Mar. 19
Apr. 2	Louisiana	Mar. 19
Apr. 3	New York Adv. Mar. 19.	Mar. 19
Apr. 3	North Dakota	Mar. 5
Apr. 4	Quakertown, N. J.	Mar. 19
Apr. 6	Sardis, Minn.	Mar. 19
Apr. 6	New Jersey	Mar. 19
Apr. 6	Sedalia, Mo.	Mar. 12
Apr. 7	North Dakota	Mar. 5
Apr. 14	Marion, Ia	Mar. 19
June 1	Duluth, Minn.	Mar. 12
BUILDINGS—COMMERCIAL		
Mar. 20	Altoona, Pa.	Mar. 12
Mar. 20	Milwaukee, Wis.	Mar. 12
Mar. 20	Kingston, Ont.	Mar. 19
Mar. 23	Cincinnati, O.	Mar. 12

Bids Close		See Eng. News-Record
Mar. 23	Norwood, O.	Mar. 12
Mar. 23	Detroit, Mich.	Mar. 12
Mar. 23	Chester, Pa.	Mar. 19
Mar. 23	Milwaukee, Wis.	Mar. 19
Mar. 23	Columbus, O.	Mar. 19
Mar. 24	Cumberland, Md.	Mar. 5
Mar. 24	Little Rock, Ark.	Mar. 12
Mar. 24	Oakland, Calif.	Mar. 19
Mar. 25	New Bedford, Mass.	Mar. 5
Mar. 25	Mechanicsville, N. Y.	Mar. 5
Mar. 25	Creston, Ia.	Mar. 12
Mar. 25	Stonington, Conn.	Mar. 19
Mar. 25	Corpus Christi, Tex.	Mar. 19
Mar. 26	Milwaukee, Wis.	Mar. 19
Mar. 27	Buffalo, N. Y.	Mar. 12
Mar. 28	Bowling Green, O.	Mar. 19
Mar. 30	Mt. Vernon, Ind.	Mar. 12
Mar. 31	Washington	Mar. 12
Mar. 31	Urbana, Ill.	Mar. 19
Mar. 31	Toronto, Ont.	Mar. 19
Apr. 1	Zanesville, O.	Feb. 19
Apr. 1	San Francisco, Calif.	Mar. 12
Apr. 1	Wichita Falls, Tex.	Mar. 19
Apr. 1	Williamstown, Mass.	Mar. 19
Apr. 6	Cleveland Heights (Warrensville P. O.), O.	Mar. 19
Apr. 7	San Antonio, Tex.	Mar. 19
Apr. 8	Brooklyn, N. Y.	Mar. 19
Apr. 11	Euclid, O.	Mar. 19
Apr. 13	Harrisburg, Pa.	Mar. 19
Apr. 20	Minneapolis, Minn.	Mar. 19
May 1	Johnstown, Pa.	Mar. 19
July 14	Phila., Pa.	Feb. 19

FEDERAL GOVERNMENT WORK

Mar. 20	Steel—Louisville, Ky. Adv. Mar. 5 to 19.	Mar. 5
Mar. 20	Bridges — Wilmington, Del. Adv. Mar. 5 to 19.	Mar. 5
Mar. 20	Dredging—Providence, R. I.	Feb. 19
Mar. 22	Substation Equipment — Ft. Warren, Mass.	Mar. 12
Mar. 25	Extension—San Francisco, Calif.	Mar. 5
Mar. 25	Cement—Milwaukee, Wis.	Mar. 19
Mar. 27	Dredging—Providence, R. I. Adv. Feb. 26 to Mar. 19.	Feb. 26
Mar. 27	Drainage—Baltimore, Md. Adv. Mar. 19.	Mar. 12
Mar. 27	Roofing—Florence, Ala.	Mar. 19
Mar. 27	Gravel and Sand—Milwaukee, Wis.	Mar. 19
Mar. 28	Dredging—Charleston, S. C. Adv. Feb. 26 to Mar. 19.	Feb. 26
Mar. 30	Post Office—Thibodaux, La.	Mar. 12
Mar. 31	Sheet Piling—Louisville, Ky. Adv. Mar. 5 to 19.	Mar. 5
Mar. 31	Earthwork—Memphis, Tenn. Adv. Mar. 12 and 19.	Mar. 12
Mar. 31	Repairs—Fort Wright (Fishers Island P. O.), N. Y. Adv. Mar. 12 and 19.	Mar. 12
Apr. 1	Alterations—Norfolk, Va.	Mar. 12
Apr. 2	Breakwater Repairs—Burlington, Va. Adv. Mar. 19.	Mar. 19
Apr. 4	Dredging—Galveston, Tex. Adv. Mar. 5 to 19.	Mar. 5
Apr. 6	Dredging—Brooklyn, N. Y. Adv. Mar. 19.	Mar. 19
Apr. 8	Hangars—Pearl Harbors, H. T.	Feb. 19
Apr. 9	Dredging — New York, N. Y. Adv. Mar. 12 and 19.	Mar. 12
Apr. 10	Cement—Louisville, Ky. Adv. Mar. 12 and 19.	Mar. 12
Apr. 14	Tug—Milwaukee, Wis. Adv. Mar. 19.	Mar. 19
Apr. 15	Water Tank—Guantanamo Bay, Cuba Adv. Mar. 19.	Mar. 12
Apr. 15	Removing Wreck—Norfolk, Va. Adv. Mar. 19.	Mar. 19
Apr. 16	Lime—Louisville, Ky. Adv. Mar. 19.	Mar. 19

UNCLASSIFIED

Mar. 23	Harbor Improvements—Port Stanley, Ont.	Mar. 5
Mar. 24	Guard Rail — South Dakota	Mar. 12
Mar. 25	Subway—Rochester, N. Y.	Mar. 5
Mar. 25	Fire Alarm System—Willard, N. Y. Adv. Mar. 19.	Feb. 26
Mar. 25	Fire Sprinklers—Buffalo, N. Y.	Feb. 26
Mar. 25	Heating Work—Utica, N. Y.	Mar. 5
Mar. 25	Fire Protection—Utica, N. Y.	Mar. 12
Mar. 26	Culvert—Dorchester (Boston P. O.), Mass.	Mar. 19
Mar. 27	Ornamental Street Lighting System—Dallas, Tex.	Mar. 19
Mar. 27	Subway—Brooklyn, N. Y.	Mar. 19
Mar. 27	Station Finish—Long Island City, N. Y.	Mar. 19
Mar. 30	Park Improvements—Minneapolis, Minn.	Mar. 19
Mar. 31	Heating, Ventilating, etc., Ithaca, N. Y. Adv. Mar. 5 to 19.	Mar. 12
Mar. 31	Police and Fire Alarm — Mobile, Ala.	Mar. 5
Apr. 1	Underpass—Nevada	Mar. 19
Apr. 16	Fire Protection — Newark, N. Y. Adv. Mar. 19.	Mar. 12
May 8	Tunnel—New York, N. Y. Adv. Mar. 5 to 19.	Mar. 5

MATERIAL AND EQUIPMENT

Mar. 19	Sand Gravel, etc.—Everett, Mass.	Mar. 19
Mar. 20	Oil—Somerville, N. J.	Mar. 19
Mar. 20	Sand, etc.—Medford, Mass.	Mar. 19
Mar. 20	Fuel Oil—Long Island City, N. Y.	Mar. 19
Mar. 20	Sewer Bricks, etc.—Boston, Mass.	Mar. 19
Mar. 23	Road Machinery—Stevens Point, Wis.	Mar. 19
Mar. 23	Lime, Steam Roller, etc.—Long Island City, N. Y.	Mar. 19
Mar. 24	Street Sweeper—Appleton, Wis.	Mar. 5
Mar. 24	Graders — Montevideo, Minn.	Mar. 12
Mar. 24	Paving Material—St. Paul, Minn.	Mar. 19
Mar. 24	Street Flusher—Minneapolis, Minn.	Mar. 19
Mar. 24	Road Oil, etc.—Boston, Mass.	Mar. 19
Mar. 25	Tar—Augusta, Me.	Mar. 19
Mar. 25	Asphalt Roller, etc.—Hamilton, Ont.	Mar. 19
Mar. 26	Sand, Gravel, etc.—Everett, Mass.	Mar. 19
Mar. 26	Oil, Asphalt, etc.—Brantford, Ont.	Mar. 19
Mar. 26	Pipe, etc.—Baltimore, Md.	Mar. 19
Mar. 27	Tar—Cincinnati, O.	Mar. 19
Mar. 30	Snow Plows—Delaware	Mar. 12
Apr. 1	Crane — Melbourne, Australia	Feb. 19
Apr. 3	Street Flusher and Truck — Wauwatosa, Wis.	Mar. 12
Apr. 8	Road Machinery—Fargo, N. D.	Mar. 19

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Andover — Bd. Selectmen plans extending mains in various streets. $17,000 appropriated. Engineer not selected.

Mass., Braintree—Plans extending present mains and additional mains through various streets. $15,000. Engineer not selected.

Mass., Milford—Voted $19,000 bonds extending water mains and sewers in various streets. Engineer not selected.

Mass., Townsend—Plans to issue $150,000 bonds for water system, also votes to borrow $65,000 additional for same. Engineer not selected.

N. Y., Canandaigua — Plans to issue bonds for purchasing and installing 1 duplicate or auxiliary electric motor and pump, and removing old water pumps and steam boilers, etc., at waterworks pumping station. B. T. Cappon, city clk.

N. Y., Port Ewen—Making plans water supply and distribution system. H. J. Harder, 129 Market St., Paterson, N. J., engr.

Kan., Arkansas City — Election Apr. 7, $65,000 bonds for replacing flow lines from city wells along Arkansas River to city pumping station and reservoir. C. A. Snyder, city clk.

Kan., Aurora—Election Apr. 6, $27,000 bonds new waterworks.

Missouri — Raytown Water Co., Raytown making plans about 3½ mi. 8 in. main from Kansas City mains at Leeds to Raytown and 6 in. mains to outlying districts. $50,000. Henrici-Lowry Eng. Co., 402 Security Bldg., Kansas City, engrs.

Mo., St. Louis—Water Dept. making preliminary plans removing and replacing four 350 hp. boilers with four 500 hp. boilers and appurtenances for Boiler House 2 at Bissell's Point Waterworks Pumping Station. E. E. Wall, City Hall. comr.

Tex., Amarillo—Voted $1,750,000 bonds, waterworks improvement, incl. 3 m.g. storage reservoir, 27 in. concrete pipe flow line, 5 m.g. distributing reservoir, 6 shallow wells, combined capacity 5,500,000 gal., six 1,000 g.p.m. deep well and two 2,000 g.p.m. horizontal pumps, Chicago or Des Moines 500,000 gal. tank on 150 ft. tower. H. B. Jones, city engr. Noted Jan. 29.

Tex., Dilley—Soon takes bids pumping machinery, distribution system, tank and tower, also ice plant in connection with waterworks system. $30,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted Mar. 5.

Tex., Donna—Making plans waterworks improvement, incl. mains, pumping equipment, tank and tower, etc. $50,000. H. J. Wilson, San Juan, engr. Noted Mar. 5.

Tex., Magnolia Park — Voted $50,000 bonds waterworks improvement. H. Culpepper, Box 234, Central Park Sta., Houston, engr. Noted Feb. 12.

Tex., Temple — Election Apr. 6, $50,000 bonds additional mains and new pumping equipment, etc. H. G. Graeser, city mgr.

Okla., Chandler—Made preliminary plans rebuilding waterworks system, incl. mains, pumps, new wells and new elevated tank on tower. D. D. Landsaw, city clk., Engineer and architect not selected.

Okla., Lawton—Voted $80,000 bonds for filtration plant. H. G. Olmsted & Co., 2230 West 18th St., Oklahoma City, engrs. Noted Feb. 12.

Ont., London—Utilities Bd. making plans extending 12 in. mains in northern part of city. $100,000. E. W. Buchanan, Hydro Officers, engr.

Okla., Newkirk—Election Apr. 7, $115,000 bonds for new wells, Triplex pumps, motors, reservoir, supply mains, and 2,600 ft. 10 in. c.i. pipe, etc. F. B. King, Grain Exch. Bldg., Oklahoma City, engr. Noted Sept. 18.

Wash., Olympia — Making surveys 10 mg. reservoir and system. $150,000. N. W. Avery, Olympia, engr.

BIDS DESIRED

N. Y., Brooklyn — Mar. 27, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Montauk, P. T and X Aves., Rockaway Parkway, Crescent, West, Marsh, 89th, East 1st, 2nd, 28th, 36th and 95th Sts., here.

N. Y., New York — Mar. 25, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bway., Riverside Dr., Ave. A, 1st, 2nd, 3rd, Lexington, Park, Madion, 5th, Lenox, St. Nicholas, 7th, 8th, Columbus, Amsterdam, and West End Ave., Bedford, Broome, Charlton, Christopher, Greenwich, Hudson, King, Washington, East 82nd, 99th 101st, 107th, 122nd, 123rd, West 57th, 72nd, 118th, 123rd and 139th Sts.

N. Y., St. George — Mar. 25, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Richmond Turnpike, Clove and Manor Rds., Clinton, Forrest, Henderson and Westervelt Aves., here.

N. C., Apex—Apr. 15, by E. C. Sinclair, mayor and Bd. Town Comrs. waterworks and sewerage. G. C. White Co., Durham engrs.; adv. E. N.-R. Mar. 19.

N. C., Goldsboro—Taking bids 9,000 ft. 8 in. c.i. pipe 11,860 ft. 6 in., and 13,200 ft. 1½ in. pipe 1,240 ft. 12 in., 5,265 ft. 10 in. and 24,870 ft. 8 in. sewer pipe, 100 gal. steel tank, 1 drilled well, 35 fire hydrants, necessary engines, pumps, tanks and valves. J. B. McCrary Co., Citizens & Savings Bank Bldg., Atlanta, Ga., engrs.

O., Cincinnati—Mar. 24, by Comrs. Hamilton Co., 3,650 ft. 16 in. c.i. mains in Water Supply Line 7, Dist. 1 (Silverton), Contr. 2, $25,606; 10,288 ft. 6 and 8 in. c.i. mains in Water Supply Line 8 (White Oaks), Contr. 1, $28,495; and 7,778 ft. 6 and 8 in. c.i. mains in Water Supply Line 9, Dist. 1 (Montgomery Rd.), $18,837. L. C. Boyatt, Court House, engr. Noted Jan. 29 and Feb. 19.

O., Cleveland—Mar. 27, by City, 48 in. steel mains in North Raw Water Main at Kirkland Pumping Station. To exceed $150,000. A. V. Hamlin, City Hall, engr.

Ill., Shelbyville—Mar. 31, by City Clerk, 100,000 gal. steel tank on tower, foundations for pumping equipment, one 500 g.p.m. and one 700 g.p.m. motor driven centrifugal pump, and 4,200 ft. transmission line. $40,000. City has option to take over plant of City Water Co. of Shelbyville for $120,000, and bids are being taken on basis that city shall take over old plant and operate same. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, Mo., engrs.

Wis., Mayville—Mar. 31, by A. Dreger, secy. Pub. Wks., drilling 1,000 ft. artesian well.

Waterworks (Continued)

Wis., Menomonee Falls—Mar. 23, by W. J. Connell, village clk., drilling artesian well, furnishing and installing pumping equipment. W. F. Reichardt, North Main St., Watertown, engr. Noted Oct. 9.

Wis., New Holstein—Mar. 23, by L. W. Hipke, village clerk, pneumatic pumping system, incl. pumps, motors, pipe, concrete reservoir and deep well with motor driven double action pump; also 1 turbine deep well pump and concrete reservoir, etc. J. Donahue Engr. Co., North 8th St., Sheboygan, engrs.

Wis., Wisconsin Rapids — Apr. 14, by C. P. Gross, mgr., filtration plant to remove iron from water supply, Contrs. 1 to 8 (inclusive). W. G. Kirchoffer, 22 North Carroll St., Madison, engr.; adv. E. N.-R. Mar. 19.

Minn., Minneapolis—Mar. 25, by F. S. Gram, city purch. agt., 2 Venturi meters for Water Dept. N. W. Elsberg, city engr.

Minn., Winona—Apr. 8, by Bd. Municipal Wks., City Hall, pumping station, Contr. B, rein.-con. reservoir, Contr. C, c.i. pipes and fittings, Contr. D, valves and sluice gates, Contr. E, air compressors and air lift pumping plant, Contr. F. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs.; adv. E. N.-R. Mar. 19.

Okla., Blackwell — City in market for new motor driven booster pump, 1,000 g.p.m. capacity. W. H. Clark, comr. Pub. Utilities.

BIDS RECEIVFD

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Mar. 11, mains in Narrows Ave., etc., here, from Grippo Contg. Co., 85 Webster Ave., Long Island City, $10,500. Noted Mar. 5.

Minn., St. Paul—For (1) 90 in. circular butterfly valve (2) 60 in. circular butterfly valve (3) 90 in. circular sluice gate (4) two 60 in. circular sluice gates (5) 48 in. circular sluice gate (6) two 48 x 60 in. rectangular sluice gates, from Michigan Valve & Fdry. Co., Amer. Trust Bldg., Detroit, Mich., (1) $3,200 (3) $2,500 (4) $1,290 each (5) $900 (6) $1,150 each; from Chapman Valve Mfg. Co., Indian Orchard, Mass., (2) $1,395. Noted Feb. 26.

CONTRACTS AWARDED

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Carolin St., etc., to Stanhey Constr. Co., Steinway Ave., $21,945. Noted Mar. 12 under New York City.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Barker, Barnes, Byron Aves., etc., to C. De Blasio, 339 7th Ave., Mt. Vernon, $10,765. Noted Mar. 12.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Arden, Bismarck, Bowles, Fitzgerald, Hammersley and Kissam Aves., etc., here, to G. V. Cornell, Rosebank, $27,500. Noted Mar. 12.

S. C., Clinton — For 8 x 100 x 100 ft. rein.-con. raw water settling basin, to G. C. Odioene, Clinton, $7,465. Noted Feb. 5.

O., Barberton—J. T. Mentzer, dir. Pub. Serv., improving waterworks incl. 400 ft., dam, 35 ft. high Amhwisen type concrete with steel reinforcements, impounding 600 m.g. water, to Tibbets & Pleasant, West of City, Oklahoma City, Okla. $130,000. Engrs. est. $140,000. Note Jan. 29.

O., Cleveland — City, North Raw Water Main, 11,700 ft. 36 in. steel pipe, to Great Lakes Constr. Co., 2000 B. F. Keith Bldg., $308,295; West Side High Service main 5,000 ft. 36 in. steel pipe and 15,750 lin.ft. 36 in. steel main in Edgewater Dr., to Joseph, Kalill & Jackson, Erie Bldg., $94,858 and $280,060 respectively. Noted Mar. 12.

O., Columbus—See "Sewers."

Wis., Marshfield—City will lay approximately 6,500 lin.ft. 6 in. mains in various streets, with own forces. $25,000. A. Westenborg, City Hall, engr.

Ia., Glenwood—Drilling and casing well 1,040 ft. deep with guaranteed flow of 200 g.p.m., to Layne-Bowler Co., 37 West Van Buren St., Chicago, Ill., $18,900. Noted Jan. 15.

Minn., Minneapolis — F. S. Gram, city purch. agt., for three 30 in., four 24 in., two 36 in., and two 12 in. low pressure check valves, and three 16 in. low pressure gate valves, to Chapman Valve Mfg. Co., Indian Orchard, Mass., 5,119; four 48 in., two 16 in., and one 42 in. high pressure check valves, to Rensselaer Valve Co., Monadnock Bldg., Chicago, Ill., $12,071; and four 5 x 6 ft. sluice gates, to J. B. Clow & Son, 534 South Franklin St., Chicago, $4,860.

Minn., St. Paul — City, Vadnais — Lake McCarron Station conduit, concrete, intake and terminal chambers to D. W. Moore & Moline Bros., 894 Esmund St., for Water Dept., $768,173. Noted Mar. 5.

Mo., Fredericktown — City Clerk, 750 cu.yd. rock trenching, 1,500 cu.yd. hardpan, 4,980 ft. 8 in. 12,015 ft. 6 in. 35,645 ft. 4 and 16 in. and 125 ft. 2 in. c.i. pipe, 32,500 lb. special castings, 75 fire hydrants, 115 valves and boxes, one 75,000 gal. tank on tower and 100,000 gal. rein.-con. reservoir, one pumping station, to Hill & Lamb, Fredericktown, $84,020.

Okla., Quinton—For 250,000 gal. filtration plant, 2 motor driven pumps, elevated tank and coagulation basin, to Case & Brower, Quinton, $20,790. Engrs. est. $16,000. Noted Feb. 19.

Sewers

PROPOSED WORK

Mass., Marblehead—Voted $300,000 bonds extending and improving sewerage system. Engineer not selected.

Conn., New Britain — State Legislature authorized $750,000 bond issue for sewers and subway.

Md., Salisbury—City Council takes bids in April completing sewerage system, $100,000. F. Dryden, Salisbury, engr

Tenn., Knoxville—Plans Lonsdale trunk sewer. $25,000. L. Brownlow, city mgr.

O., Niles—Bd. Control soon takes bids sanitary sewer in streets in Eastern Heights. $100,000.

Mich., Ferndale (Detroit P. O.)—Making plans 56 vitr. or concrete lateral sewers, in various streets and alleys. $100,000. G. Jerome, 1312 Majestic Bldg., Detroit engr.

Ill., East St. Louis—Soon takes bids 8- to 27-in. sanitary sewers in Gertrude Pl. Sewer Dist., $30,000; also grading, hard-surfacing, etc., North 44th St. from Caseyville Rd. to Van Buren. $20,700. Noted Jan. 1. W. McK. Brown, City Hall, engr.

Ill., Streator—Making preliminary plans sanitary sewerage system and disposal plant. $750,000. F. Rey, City Hall, engr.

Ia., Delmar — Making plans sanitary sewerage system. $30,000. H. R. Green, Bever Bldg., Cedar Rapids, engr.

Minn., White Bear — Plans sanitary sewerage system. $35,000. D. Merrick, city mgr.

Neb., Columbus — City, c/o W. Becker, city clk., soon takes bids storm sewer with outlet to Loup River. $45,000. J. M. Cunz, city engr. Noted Mar. 12.

Tex., Dallas—Election Apr. 7, $300,000 bonds sanitary sewers and $100,000 bonds storm sewers in various streets. E. A. Kingsley, city engr.

Tex., Magnolia Park — Making plans sanitary and storm sewers. $50,000 and $350,000 bonds voted respectively. H. Culpepper, Box 234, Central Park Sta., Houston, engr. Noted Feb. 12.

Tex., Rosebud — Voted $38,000 bonds sewerage system. G. W. Lehman, mayor. Engineer not announced.

Okla., Sand Springs—Defeated $180,000 bonds for 10,500 ft. 36- to 60-in. segmental block sewers in various streets. Holway Eng. Co., Wright Bldg., Tulsa, engrs. Noted Mar. 5.

Calif., Los Angeles—Metropolitan Sewage Disposal Dist. of Los Angeles Co. voted $3,600,000 bonds for sewers in Dist. 1, $3,520,000 bonds in Dist. 2, and $2,000,000 bonds in Dist. 5. A. K. Warren, co. sanitation and drainage engr. Noted July 31.

Calif., Palo Alto—Making plans storm and sanitary sewers in Embarcadero Rd. $40,000. J. F. Bxybee, Jr., city engr.

BIDS DESIRED

N. Y., New York — Mar. 26, by H. Bruckner, pres. Bronx Boro., sewers in White Plains Rd., Exterior St., Edison, Hammersley and Seymour Aves.

Pa., Juniata (branch Altoona)—Mar. 31, by Boro Council, W. H. Baird, secy., Boro Hall, 2,370 lin.ft. 15 and 18 in. vitr. clay and 24 in. rein.-con. sewers, etc., in Six Alley through to Twin Culverts. $25,000. D. W. Dillman, Altoona Trust Bldg., Altoona, engr.

Md., Baltimore — Mar. 26, by Bd. Awards, storm and sanitary sewers in Dists. G-14 and J-1, Storm Water Contr. 81. B. L. Crozier, City Hall, highways engr.

N. C., Apex—See "Waterworks."

N. C., Goldsboro—See "Waterworks."

N. C., Wilson—Mar. 30, by S. L. Lucas, mayor, and Bd. City Comrs. sanitary sewerage system, incl. 9,500 cu.yd. trench excav., 2,000 ft. 12 in. and 2,600 ft. 15 in. clay, shale or fire clay pipe, also 200 ft. 12 in. and 150 ft. 15 in. Class A c.i. pipe, etc. R. D. Gladding, Wilson, engr.

O., Garfield Heights (Cleveland P. O.)—Mar. 23, by sewers in Garfield Blvd. To exceed $25,000. R. Munz, Town Hall, engr.

O., Millersburg — See "Streets and Roads."

Wis., Milwaukee — Mar. 24, by J. H. Fowles, secy., Metropolitan Sewerage Comn., 508 Market St., 7,310 ft. 30 in. concrete, 2,620 ft. 24 in. terra cotta sewers, 664 vertical ft. standard and 48 vertical ft. drop manholes, etc., in 1st Ave. extension. T. C. Hatton, engr.

Ark., Arkadelphia — See "Streets and Roads."

Tex., Galveston—City, c/o E. M. Owens, street comr., taking bids 2,724 ft. 2½ x 2 ft., 2,350 ft. 2½ x 3 ft. and 2,130 ft. 2½ x 3½ ft. rein.-con. drains, 2,400 ft. 10 in. vitr. laterals, 96 concrete catch basins, and concrete surface drains, 2 ft. x 70 ft. x 9 in. each, etc. C. A. Holt, Jr., city engr.

Calif., Burbank — Mar. 31, by City Trustees, sewers in various streets, 101,740 ft. 8 in. vitr. pipe, 2,516 ft. 10 in. pipe, 3,228 ft. 8 x 6 in. vitr. and 40 ft. 6 in. pipe wye or tee branches, 7,200 ft. house sewers, etc. A. J. Rose, city engr.

Calif., San Diego — Mar. 30, by A. H. Wright, city clk., 18,083 lin.ft. 6 in. cement and 72 lin.ft. 8 in. concrete sewer, etc., in South LaJolla St. F. A. Rhodes, city engr. Noted Feb. 12.

Ont., Toronto—Mar. 25, by F. B. Goedike, engr., 40 Jarvis St., 25,000 ft. 8 and 10 in. vitr. tile sewers in Hanson Rd., Mulberry Crescent, Jesmond, Ashbury, Amherst, Earlsdale, Holland Park, Cedric, Robina and Ossington Aves., for York Twp. $60,000.

BIDS RECEIVED

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, Mar. 12, (*e. e. means engineers estimate*) from S. Ajazranzo, sewers in East 46th St. 73.5% e.e. $3,101; Argyle Rd. 73.73% e. e. $2,695, from Standard Constr. Co., 705 Park Ave., storm and sanitary sewer in East 18th St., 67% e. e. $8,219, 40th St., 72% e. e. $5,690, 73rd St., 78% e. e. $3,997, from Tomassetti & Co., 1133 60th St. Georgia Ave. 65.75% e. e. $4,391. Noted Mar. 5.

CONTRACTS AWARDED

Md., Baltimore—Bd. Awards, 1,850 ft. 48 and 54 in., 760 ft. 36 in. concrete and 1,270 ft. 15 in. vitr. sanitary sewers in Storm Water Contr. 82, to F. D. Carozza, Govans, $39,540. Noted Mar. 12.

O., Cleveland—Sewers in Oak Park and Kildeer Aves., to Salem & George Co., Erie Bldg., $8,469 and $17,130 respectively; Chickasaw Ave., to Hadded & Kariel Constr. Co., 415 Eagle Ave., $15,132. Work involves 9,905 ft. 12 to 24-in. vitr. clay pipe. Noted Mar. 12.

O., Columbus—Franklin Co., 8,930 ft. 8 in. vitr. sewers etc., in Sewer Dist. Clinton 2, Contr. 52, to W. D. Sullivan, 951 Mt. Pleasant Ave., $20,456; 2,525 ft. 6 and 8 in. ci. mains, etc., in Sewer Dist. Clinton 2, Contr. 54, to Riley Constr. Co., Columbus, $6,273, 1,150 ft. 6 in. ci. mains, etc., in Sewer Dist. Franklin 4, Contr. 55, to B. Canini, 1705 Shawnee Ave., $1,822. Noted Feb. 26.

Ill., Elgin—Bd. Trustees Sanitary Dist. 12, pumping and electric equipment, for sewage pumping stations, to Amer. Well Wks., 112 North Bway., Aurora, $20,538. Noted Feb. 5.

Wis., Menasha—Extending vitrified clay sewerage system in various streets, to E. A. Yahr, c/o Milwaukee Athletic Club, Milwaukee, $26,856.

Wis., Milwaukee — J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 market St., 10,950 ft. 30 in. concrete sewer etc., in Lincoln Ave., Sect. 1, to H. Hohensee, Ludington Ave., Wauwatosa, $409,800. Noted Mar. 5.

Ark., Rogers—Sanitary sewerage system and disposal plant, to J. S. Terry, Poteau, Okla., $33,220.

Calif., Los Angeles—Constructing sewers in Lakewood Ave. between Glendale Blvd. and Armstrong Ave., known as Lakewood Ave. and Ivanhoe Dr. Sewer Dist., to T. Haverty, 316 East 8th St., $10,790.

Waste Disposal

PROPOSED WORK

Tex., Dallas—Election Apr. 7, $100,000 bonds for incinerators. E. A. Kingsley, city engr.

Waste Disposal (Continued)

BIDS DESIRED

N. Y., Buffalo—Apr. 2, by Commissioner Pub. Wks., Municipal Bldg., constructing garbage disposal plant. To exceed $200,000. W. F. Schwartz, comr. Address Metcalfe & Eddy, 14 Beacon St., Boston, Mass., consult. engrs.

Bridges

PROPOSED WORK

Me., Bath — State Hy. Comn., State House, Augusta, plans bridge over Kennebec River, here. J. A. L. Waddell, 150 Bway., New York City, engr.

Vt., Plymouth—See "Streets and Roads."

Mass., Barnstable — See "Streets and Roads."

Mass., Concord — See "Streets and Roads"

Mass., Easthampton—See "Streets and Roads."

N. Y., Buffalo—Plans to issue $200,000 bonds for Cazenovia and Buffalo River bridges.

N. J., Newark—Bd. Freeholders Essex Co., making plans two 50 ft. spans plate girder bridge, at Lower Chatham, $45,000, also rebuilding counterweight of bascule bridge at Bellville, $20,000. W. A. Stickel, Court House, engr.

Va., Lynchburg—Plans 906 ft. bridge, 120 ft. high, iron, concrete encasement and reinforcements. $400,000. A. C. Janni, 13 Park Row, New York City, and A. J. Saville, City Hall, Richmond, engrs.

N. C., Statesville — See "Streets and Roads."

N. C., Wilmington — New Hanover Co. has been authorized by State Legislature to borrow $1,500,000 for 500 ft. span, elevator type bridge across Cape Fear, foot of Ann St.

N. C., Wilson—See "Streets and Roads."

Wisconsin—See "Railways."

Wis., Muscoda—Plans 1,050 ft. steel and concrete bridge, 20 ft. roadway. State appropriates $60,000, Village of Muscoda $30,000, Town of Eagle $30,000, Grant Co. (Lancaster) $30,000, and Richland Co. (Richland Center) $30,000 toward cost. J. H. Donaghey, Madison, state highway engr.

Kan., Kansas City — Missouri Pacific R.R. Co., St. Louis and Liberty Sts., plans two 60 ft. rein.-con. bridges one at Chelsea trafficway, and other at 18th St. $25,000 each. E. A. Hadley, ch. engr. R. L. McAlpine, city engr.

North Dakota — State Hy. Dept., Bismarck, plans bridge over Des Lacs Lake, in Ward Co., not to exceed $100,000; 4 span, about 1,200 ft. steel bridge in Sanish between Mountrail and McKenzie Counties, $400,000, 1 span, about 200 ft. steel and concrete bridge in Fargo, N. D., and Moorehead, Minn., not to exceed $200,000; probably 4 span, 1,200 ft. steel and concrete bridge in Williston between Williams and McKenzie Counties, $500,000. W. G. Black, state engr.

Tex., Albany—See "Streets and Roads."

Tex., Beaumont—City defeated $300,000 bonds (its portion toward cost) viaduct across Southern Pacific Ry. tracks, which was to be built by city and railroad. R. C. Black, city engr. Noted Mar. 12.

Washington—See "Streets and Roads."

Oregon and Washington — H. S. Nunn, state highway engr., Portland, Ore., submitted preliminary report on Interstate Bridge, to have 1,000 ft. channel span, elevation of 120 ft. above highwater across Columbia River between Ranier, Ore., and Longview, Wash. $2,000,000. W. Vandercook, ch. engr. for Long Bell Lumber Co., Longview, Wash., made application to Congress for permit to build such a bridge.

Ont., Toronto—Plans reconstructing 500 ft. concrete bridge, 66 ft. over South Glen Rd $450,000. R. C. Harris, City Hall, engr.

BIDS DESIRED

Pa., Masontown — Apr. 2, at office E. Huston, controller Fayette Co., Court House, Uniontown, and at office Comrs. Greene Co., Court House, Waynesburg, substructure, superstructure and approaches of 3,858 ft. intercounty bridge over Monongahela River, here. J. Farris, of Farris Eng. Co., Empire Bldg., Pittsburgh, consult. engr.

Miss., Water Valley—See "Streets and Roads."

Louisiana—Mar. 31, by State Hy. Dept., Reymond Bldg., Baton Rouge, repairing Alexandria traffic bridge Project 433, between Alexandria and Pineville, Rapides Parish, 147,000 ft. creosoted and 25,000 ft. untreated lumber, 50,000 lb. structural steel traffic treads, etc. W. B. Roberts, ch. engr.

Tennessee—See "Streets and Roads."

Tennessee—Mar. 27, by State Dept. Hys. & Pub. Wks., Nashville, 5 rein.-con. bridges on road between Sta. 399 and Savannah, State Aid Project 187-B, Hardin Co.; and 7 concrete bridges each over 20 ft. span on Milan-Weakley Co. line Rd., State Aid Project 193, Gibson Co. J. G. Creveling, highway comr.

Michigan—See "Streets and Roads."

Missouri—Mar. 28, by State Hy. Comn., Jefferson City, five 40 ft. rein.-con. deck girder spans, etc. over Niaugua River, two 20 ft. rein.-con. slab spans, etc., over Tunas Branch, two 20 ft. rein.-con. deck girder spans, etc. over Coatney Branch, all Dallas Co.; one 90 ft. steel truss span, etc. over Little Sniabar Creek, one 45 ft., one 40 ft., and six 12 ft. rein.-con. deck girder spans, etc. over stream, all Lafayette Co.; one 200 ft. steel truss, fourteen 20 ft. rein.-con. slab and two 45 ft. rein.-con. deck girder spans, etc. over Spring River, one 80 ft. steel truss and four 24 ft. rein.-con. slab spans, etc. over White Oak Creek, two 18 ft. and three 20 ft. rein.-con. slab spans, etc. over stream, all Jasper Co.; four 40 ft. rein.-con. deck girder spans, etc. over Second Creek, three 30 ft. rein.-con. deck girder spans, etc. over Schulte Creek, both Gasconade Co.; one 130 ft. and two 60 ft. steel truss spans, etc. over Auxoasse River, one 140 ft., one 80 ft. and one 50 ft. steel truss span, etc. over Saline River, both St. Genevieve Co.; two 70 ft. steel truss spans, etc. over Whetstone Creek, Wright Co.; one 24 ft. two 20 ft. rein.-con. slab spans, etc. over Missouri and Illinois R.R. tracks, St. Francois Co.; 130 ft. steel truss span, etc. over Blue River, Jackson Co.; one 30 ft. and one 25 ft. rein.-con. deck girder spans, etc. over Mississippi River and Bonne Terre R.R. tracks, Jefferson Co.; one 30 ft. rein.-con. deck girder span, etc. over Kochs Creek, Perry Co.; two 10 ft. rein.-con. slab spans, etc. over stream, Vernon Co. B. H. Piepmeier, ch. engr.

Wyoming—Mar. 27, by State Hy. Comn., Cheyenne, for 8 creosoted timber bridges near Alaova, Lander-Rawlins Rd., Federal Aid Project 162-B, Fremont Co., involv. 3,264 wooden piles to be furnished by state, $25,000; 380 ft. steel truss bridge over Shoshone River, Federal Aid Project 176-A, Bighorn Co., $75,000; two span I beam bridge over Pole Creek and three span I beam bridge over Boulders Creek, all spans 37.5 ft. long, Federal Aid Project 140-A, Sublette Co., $35,000. J. F. Seiler, state highway engr.

BIDS RECEIVED

Massachusetts—Metropolitan Dist. Comn. 1 Ashburton Pl., Boston, three arch rein.-con. bridge and approaches over Charles River at Cambridge, Boston and River Sts., from L. S. White, 25 Huntington Ave., Boston, $238,518. Noted Mar. 5.

Pa., Williamsport — Comrs. Lycoming Co., Mar. 10, **(a)** Bridge 2 **(b)** Bridge 3, both 3 span, 180 ft. long, 24 ft. wide, rein.-con. and steel over Lycoming Creek, from Wolfe, Eisenhower & Sheffer, Jersey Shore **(a)** $44,416 **(b)** $48,324, for both $87,745; from R. R. Myers, Lewistown, **(a)** $44,900 **(b)** $45,300 both $89,700. Noted Feb. 19.

Tex., Henrietta — See "Streets and Roads."

CONTRACTS AWARDED

Va., Roanoke — Bridge over Roanoke River at 13th St., to W. W. Boxley & Co., Roanoke, $285,044.

Ga., Savannah—Chatham Co. additional bridge openings and 550 ft. additional bridge, over Savannah River, on Project 286, to G. S. Wright, Athens, $34,936.

Illinois—Dept. Pub. Wks. Building, Div. Highways, Springfield, bridges on Route 36, Sect. 14-B, Pike Co., to Herrick Constr. Co., Carlinville, $23,639; on Route 22, Sect. 20-B, Lake Co., to J. E. Hinman & Son, Glenwood City, Wis., $41,588; on Route 31, Sect. 156, Schuyler Co., to Illinois Steel Bridge Co., Jacksonville, $13,589. Noted Dec. 11 and 26.

Ill., Urbana—Champaign Co. Hy. Dept., one 26 ft. span rein.-con. slab bridge, and 2 span 55 ft. rein.-con. girder bridge, Route 16, Sect. 50-B, Pesotum and Crittenden Twps., to V. L. Peters, Homer, $15,937; two 24 ft. rein.-con. slab, one 30 ft. and two 50 ft. rein.-con. girder bridges, Route 11, Sects. 53-B-15-D, Rantoul and Compromise Twps., to Nelson Constr. Co., Champaign, $19,910; one 22 ft. rein.-con. slab and one 35 ft. rein.-con. girder bridges, Route 10, Sect. 69-B-15-D, East Bend and Condit Twps., to C. Athey, Paris, $8,897.

Ia., Bloomfield — Davis Co., two 90 ft. pony truss bridges with 20 ft. roadways, to Snyder & Johnson, Humbolt, $28,350; one 40 ft. deck girder bridge and 46 box culverts and extensions, to A. F. Johnson, Lockbridge, $47,414.

Neb., Plattsmouth—King of Trails Bridge Co., c/o S. S. Davis, secy., Omaha, 1,200 ft. steel bridge over Platte River, south of here, connecting Sarpy and Cass Counties, to Economic Bridge Co., Lincoln, $104,430.

Tex., Boston—See "Streets and Roads."

Tex., Pearsall—See "Streets and Roads."

Oklahoma—State Hy. Dept., Oklahoma City, 60 ft. steel truss bridge on concrete piers, incl. 8.3 tons steel piling, etc., at Oilton, Creek Co., to T. Collins, Cushing, $23,641, e. e. $25,000; 82 new rein.-con. culverts in Garfield Co., to M. Butternan, Edmond, $28,639, e. e. $30,000. Noted Feb. 19.

Oklahoma—State Hy. Dept., Oklahoma City, 2 span 80 ft. steel bridge with concrete piers and abutments, incl. 2,180 ft. wooden piling, at Pharoah, Okmulgee Co., to Ellis & Lewis, Muskogee, $28,816, engrs. est. $30,000; 2 span 160 ft. steel bridge with concrete piers, incl. 5,240 ft. wooden piling, etc., at Tussing, Canadian Co., to T. Evans, Oklahoma City, $24,916, engrs. est. $25,000.

Okla., Davidson — H. Bovay, Stuttgart, will build 300 span, 6,000 ft. untreated timber pile trestle bridge with timber deck, by day labor. $300,000. Engineer not selected.

Oregon—State Hy. Comn., Portland, 3 span, 265 ft. steel and concrete bridge over Willow Creek on Roosevelt Highway, Curry Co., to C. J. Montague, Portland, $47,046.

Dams

PROPOSED WORK

Wis., Kaukauna — See "Buildings—Industrial."

Mo., Leeper — Black River Power & Development Co. plans large power dam, generating power and protecting farm lands in Butler and adjoining counties from flood waters, on Black River, above here. $3,500,000. W. H. Meredith, Poplar Bluff, heads syndicate. R. I. Randolph, 38 South Dearborn St., Chicago, Ill., engrs.

BIDS DESIRED

B. C., Burton—Apr. 7, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., constructing rock mound, submerged dams, rock weighting of existing mattress work, and removing portion of Deer Rock, in Columbia River Narrows, West Kootenay Dist., below here. $50,000.

Railways

PROPOSED WORK

Wisconsin—Milwaukee Electric Railway & Light Co., Pub. Serv. Bldg., South Bway., plans extending street car and interurban lines from 35th and Clybourn Sts., in Milwaukee, across Menomonee Valley on a viaduct to West Allis. $700,000.

Texas — Atchison, Topeka & Santa Fe Ry., 80 East Jackson St., Chicago, Ill., plans 60 mi. standard gauge railroad extension from Doud in Lubbock Co. to middle Cochran Co. $350,000. Private plans.

Texas — Gulf Coast Lines, Union Sta., Houston, soon takes bids 25 mi. road bed and standard trackage, grades, bridges, etc. between Raymondville and Edinburg. $200,000. C. S. Kirkpatrick, ch. engr.

CONTRACTS AWARDED

North Carolina — Snow Hill R.R. Co., Snow Hill, grading and constructing 6 mi. railroad from Snow Hill to Hookerton, to N. L. Teer, Durham.

Louisiana—Missouri—Pacific R.R., Ry. Exch. Bldg., St. Louis, Mo., 10.8 mi. extension of standard gage railroad from Epps to connect with Vicksburg, Shreveport, and Pacific R.R. at Delhi, to L. M. Wimbley Constr. Co., Arcadia. Engrs. est. $350,000.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

N. Y., Buffalo—Plans to issue $100,000 bonds improving Buffalo River and $500,000 bonds improving Scajaquada Creek.

Iowa—Greene Co. (Jefferson) and Guthrie Co. (Guthrie Center) plan drainage ditches to empty into Mosquito Creek north of Bagley, Guthrie Co., also drain about

Excavation, Drainage, Irrigation, Levees
(Continued)

1,300 acres in Greene Co. and 400 acres in Guthrie Co. $21,000.

Ia., Marengo — Iowa Co. rejected bids 6,900 ft. levee work, 25,000 cu.yd. levee fill and 4,400 cu.yd. channel excav. F. A. Peterson, Court House, engr. Noted Feb. 26.

Kan., Wichita — Plans walls, levees and riprap on West bank of Little Arkansas River from Griffenstein Bridge to Woodman Bridge. $25,000. P. L. Brockway, City Bldg., engr.

Washington — King Co. (Seattle and Pierce Co. Tacoma) approved expenditure $116,000 for inter-county river improvement for 1925, incl. $55,000 for levee along Puyallup River. H. F. Gronen, Tacoma, intercounty engr. R. H. Thomson, Seaboard Bldg., Seattle, consult. engr.

Wash., Seattle—See "Industrial Works."

Calif., Grass Valley—Nevada Irrigation Dist. voted $7,250,000 bonds for irrigation work. F. H. Tibbetts, Alaska Commercial Bldg., San Francisco, engr. Noted Feb. 12.

BIDS DESIRED

N. Y., Buffalo — Apr. 6, at office Dept. Pub. Wks., Municipal Bldg., completing Part 1, Sect. 4 of Buffalo River and Cazenovia Creek improvement; adv. E. N.-R. Mar. 19.

CONTRACTS AWARDED

Ill., Jacksonville — Willow Creek D. D., Morgan Co., enlarging main ditch and laterals, approximately 115,543 cu.yd. excav., three 30 in. corrugated iron sluiceways, etc., to McWilliams Dredging Co., 1537 McCormick Bldg., Chicago, $17,354. Noted Feb. 26.

Wis., Fond du Lac—Fischer Paramount Theatres, 36 South State St., Chicago, Ill., excavation for 3 story and basement 75 x 150 ft., brick, concrete and terra cotta theatre and business building, plain foundation, to Immel Constr. Co., Dana Bldg.

Ark., Jonesboro—Bohanan Slough D. D. 5, Green and Craighead Counties, 5 mi. drainage ditch, 63,000 cu.yd. excav., to J. S. Kochtitzky, Jr., England.

Wash., Olympia — Fourth Ave. fill, to Tacoma Dredging Co., Tacoma, 200,000 yd. fill $0.18 per cu.yd. 11,000 piles $11,500, 316 ft. timber $11,060, etc., total $62,390. Engrs. est. $59,868.

Streets and Roads

PROPOSED WORK

Vt., Plymouth—State Hy. Dept., State House, Montpelier, plans highway improvements and bridge repairs, here. $30,000.

Mass., Andover — Bd. Selectmen plans constructing new roads. $26,000 appropriated. Engineer not selected.

Mass., Barnstable—Bd. Selectmen plans highway and bridge improvements. $125,000 appropriated. Engineer not selected.

Mass., Boston — Plans asphalt and bituminous macadam paving 4,000 ft. various streets, 40 ft. To exceed $25,000. J. J. Murphy, 33 Beacon St., engr.

Mass., Bridgewater—Bd. Selectmen plans new roads, highway and bridge improvements. $25,900 appropriated. Engineer not selected.

Mass., Cohasset—Bd. Selectmen appropriates $44,500 for highway and bridge improvements. Engineer not selected.

Mass., Concord—Bd. Selectmen plans reconstructing roads and bridges here. $67,600 appropriated. Engineer not selected.

Mass., Easthampton—Bd. Selectmen appropriates $42,280 constructing new roads, and $37,000 for highway and bridge improvements. Engineer not selected.

Mass., Hamilton — Bd. Selectmen plans highway and bridge improvements. $30,000. Engineer not selected.

Mass., Hull—Town Bd. Selectmen plans reconstructing and improving various streets. $25,000. Engineer not selected.

Mass., Hyannis — Bd. Selectmen plans reconstructing and repairing Lewis Bay Rd., South Bay and Center Sts. $41,000 bonds voted. Engineer not selected.

Mass., Lexington—Bd. Selectmen plans improving and constructing new highways. $65,500 appropriated. Engineer not selected.

Mass., Marshfield—Bd. Selectmen plans highway and bridge improvements. $46,200 appropriated. Engineer not selected.

Mass., Milford—Voted $57,500 bonds reconstructing and improving various highways. Engineer not selected.

Mass., Rockland — Voted $25,600 bonds rebuilding and improving various streets. Engineer not selected.

Mass., Winchendon—Bd. Selectmen plans highway improvements. $25,000 appropriated.

Mass., Winthrop—Town and State Hy. Dept., Boston, plan widening and reconstructing Revere St. $25,000. W. F. Williams, Dept. Pub. Wks., Boston, comr.

Conn., New Britain—Plans widening and sheet asphalt on concrete paving Myrtle St. from Main to Grove Sts., also South Main St.; sheet asphalt on concrete paving North St. from Main St. to Hartford Ave., and Hartford Ave. from East Main to North Stanley Sts. $70,000. J. D. Williams, city engr.

Conn., Westport — Plans 7.1 mi. bituminous macadam Danbury Rd., Cross Highway, Long Lots Highway. $250,000. J. A. McDonald, c/o State Highway Comn., State House, Hartford, engr.

N. Y., Buffalo—Plans to issue $200,000 bonds widening various streets.

N. J., Monmouth Beach—Monmouth Co. (Freehold) plans paving Riverside Ave., Beach Rd. and Wesley St., here. $90,000. A. O. Johnson, mayor. Engineer not selected.

Pa., Connellsville—Plans election $300,000 bonds widening and surfacing Arch St., etc. T. E. Hoensher, Connellsville, engr.

W. Va., Philippi — Barbour Co. election Mar. 24, $225,000 bonds in Pleasant Dist. T. Hewitt, co. clk.

W. Va., Pineville—Wyoming Co. election Apr. 11, $175,000 bonds for improving Indian Creek and other roads. I. E. Basham, Pineville, engr.

North Carolina — State Hy. Comn., Raleigh, plans grading, etc., 5 mi. State Project 583, Randolph Co. $35,000. C. M. Upham, Raleigh, ch. engr.

N. C., Nashville—Nash Co. plans 50 mi. soil roads in several sections. $200,000. M. S. Davis, Louisburg, engr.

N. C., Statesville — Bd. Comrs. Iredell Co. authorized sale $1,000,000 bonds for road and bridge construction. H. L. Gilbert. chn.

N. C., Wilson—Wilson Co. voted $1,250,000 bonds roads and bridge construction. H. B. Lane, chn. bd. comrs.

Fla., Sarasota—Soon takes bids improving various streets, 25,000 asphalt blocks or equivalent paving, 14,860 lin.ft. 5 x 12 in. concrete curb, and resetting 9,600 ft. curb and gutter. J. R. Brumby, Jr., comr. Pub. Wks.

Fla., Tampa—Hillsborough Co. election Mar. 24, $165,000 bonds, improving 5 mi. Palm River Rd., 18 ft., 2½ in. or more bituminous concrete on 5 in. compacted Florida lime rock base, 4 x 12 in. concrete curb, and concrete bridges. $165,000. A. B. Pimm, Court House, engr.

Ala., Tuscumbia — Making plans paving various streets. $375,000.

Miss., Canton—Madison Co. voted $25,000 bonds, repairing roads and bridges on Pickens Pike and Jeff Davis Highway. Noted Jan. 29.

Miss., Gulfport — Harrison Co. voted $1,500,000 bonds for roads and bridges. Engineer not selected. Noted Feb. 12.

Miss., Jackson—Soon takes bids improving approximately 10 mi. sidewalks, curbing and guttering various streets. M. L. Culley, Jackson, engr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 18 mi. Memphis-Fayette Co. line Rd. J. G. Creveling, highway comr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 10 mi. Selma-Hardin Co. line Rd., McNairy Co. J. G. Creveling, highway engr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 20 mi. Crossville-Roane Co. line Rd., Cumberland Co., 10 mi. Clinton-Cook Creek Rd., Anderson Co., and approximately 15 mi. Wartburg-Scott Co. line Rd., Morgan Co. J. G. Creveling, highway comr.

Tenn., Dyersburg—Dyer Co. and State Dept. Hys. & Pub. Wks., Nashville, having surveys made improving 18 mi. Dyersburg-Obion Co. line Rd. J. G. Creveling, highway comr. Noted Mar. 12.

O., Canton — Stark Co. takes bids in spring improving 2.75 mi. Paris-Maximo Rd., 14 ft. $50,000 or more. A. M. Wise, Canton, co. engr.

O., Columbus—Making plans widening 2,100 ft. Grant Ave., 44 ft., by setting back curb, improving widened portion with brick gutters and resurfacing remainder with asphalt. $40,000. R. H. Simpson, city engr.

O., Niles—City takes bids in spring brick or asphalt paving Wilson Ave. $30,000.

O., Parma—Takes bids in spring stone or cement sidewalks on 13 various streets. To exceed $25,000. Engineer not selected.

O., Warren—Bd. Control soon takes bids improving Highland Blvd. and Woodland Ave. $75,000.

Mich., Detroit—Making plans 3½ in. sheet asphalt on 8 in. concrete paving 2,420 sq. yd. Petoskey Ave., Sect. 1, $12,480, 1,600 sq.yd. Buena Vista Ave. $8,010, 12,850 sq. yd. Flanders Ave. $64,250, 6,220 sq.yd. August Ave. $31,110, 5,800 sq.yd. Lawton Ave., Sect. 4, $29,000, 9,210 sq.yd. Newport Ave. $46,060, 7,900 sq.yd. Mackay Ave. $39,530, 7,640 sq.yd. Burnside Ave. $38,210, 4,730 sq.yd. Evanston Ave. $23,660, 1,950 sq.yd. Kolb Ave. $9,740, 5,860 sq.yd. Manistique Ave. $29,800, 14,930 sq.yd. Three Mile Dr. Sect. 1, $74,650, 10,810 sq.yd. Three Mile Dr., Sect. 2, $54,050, 4,700 sq.yd. Buena Vista Ave., Sect. 2 $23,500, 3,660 sq.yd. Girardin Ave. $18,330, 2,040 sq.yd. Petoskey Ave., Sect. 2 $10,220, 22,100 sq.yd. Six Mile Rd. $110,520, 5,410 sq.yd. Springfield Ave. $27,070, 5,180 sq.yd. Philip Ave., Sect. 1 $25,900, 5,490 sq.yd. Chesterfield Ave. $27,410, 4,560 sq.yd. Idaho Ave. $22,800, 605 sq.yd. Brown Ave. $3,025, 11,050 sq.yd. Jane Ave. $55,270, 8,600 sq.yd. Traverse Ave. $43,190, 9,420 sq.yd. Ironwood Ave. $27,120, 8,790 sq.yd. Kilbourne Ave. $43,970, 3,590 sq.yd. Orangelawn Ave. $17,950, 3,690 sq.yd. Fournier Ave. $18,480, 3,620 sq.yd. Ashland Ave. $18,130, 1,800 sq.yd. Walden Ave. $9,000, 1,030 sq.yd. Indiana Ave. $5,150, 1,030 sq.yd. Kentucky Ave. $5,150, 3,980 sq.yd. Pilgrim Ave. $18,910, 3,830 sq.yd. Riopelle St. $19,170, 8,570 sq. yd. Moran Ave. $42,860, and 3,890 sq.yd. Greeley Ave. $19,490. J. Jerome, city engr.

Ill., Avon — Plans brick paving 12,100 sq.yd. Main St. F. M. Connolly, 432-33 Peoples Trust & Savings Bank Bldg., Galesburg, engr.

Ill., Batavia—Making preliminary plans grading, vibrolithic or rein.-con. surfacing, etc. 21,000 sq.yd. various streets. $100,000. Wells Eng. Co., Geneva, engrs.

Ill., Colchester—Plans brick paving 8,260 sq.yd. Macomb St. F. M. Connolly, 432-33 Peoples Trust & Savings Bank Bldg., Galesburg, engr.

Ill., East St. Louis—See "Sewers."

Wisconsin — State Hy. Comn., Madison, plans bituminous macadam paving 4 mi. Sparta-La Crosse Rd., Project 397-A, La Crosse Co., $100,000; crushed stone surfacing 8.5 mi. Richland Center-Viroqua Rd., Project 239, Richland Co., $168,000; gravel surfacing 2.57 mi. Prentice-Glidden-Mellen-Ashland-White River Hill Rd., Project 405-A, Ashland Co., $70,000, also grading and gravel surfacing Frederic-Grantsburg Rd., Polk Co., $25,000; concrete surfacing Janesville-Evansville-Madison Rd., Projects 388-A, Rock Co., $135,000, and 388-B, Dane Co., $150,000, Rosendale-Ripon Rd., Project 365-B, Fond du Lac Co., $75,000, Kewaunee-Two Rivers Rd., Project 367-A, Kewaunee Co., $100,000, Project located between Manitowoc Co. line north and Trunk Highway 17, Manitowoc Co., $215,000, Green Bay-Oconto-Marinette Rd., Project 392-A, Oconto Co., $75,000; constructing Frederic Rd., Burnett Co., $50,000, Fairchild-Neillsville cut, Clark Co., $100,000, Shawano-Bonduel Rd., Project 345-A, Shawano Co., $150,000, and Project located in Sauk Co., $100,000. J. T. Donaghey, state highway engr.

Ia., Marshalltown—Plans surfacing North 3rd St. from Marion St. to city limits, 2,308 ft. rein.-con. 34 ft. wide, and 3,012 ft. 18 in. wide. $44,550. A. McMahon, city clk.

Ia., Sioux City—Woodbury Co. making plans grading and 12 bridges, etc., on 3.5 mi. road between Liston Twp. and Danbury Rd., $32,000. W. L. Egan, co. aud.

Kan., Erie—Neosho Co. soon takes bids grading, etc., 9.06 mi. road between Chanute and Morehead, 28 ft., Federal Aid Project 308 A. O. T. Reece, Erie, engr.

Kan., Kansas City—Wyandotte Co. plans concrete surfacing 7 mi. Golden Belt Highway from Muncie to Bonner Sts., 18 ft.; and 4.5 mi. Bonner-Piper Rd., from Victory Highway to city limits, 18 ft. $150,000. O. K. Williamson, Court House, engr.

Kan., Kingman — City Clerk takes bids about Apr. 1, grading, concrete, brick, asphaltic concrete or asphalt surfacing 16,000 sq.yd. various streets. C. A. Haskins, 822 Finance Bldg., Kansas City, engr.

Neb., Hebron—Making preliminary plans grading, curbing, brick or concrete paving, etc., 18 blocks Lincoln St. between 1st and 13th Sts. and 4th St. between Rock Island R.R. tracks and Union Ave., etc. $140,000. Grant, Fulton & Letton, 525 South 13th St., Lincoln, engrs.

Streets and Roads (Continued)

S. D., Sioux Falls — Plans paving 10 blocks Prairie Ave. $40,000. W. C. Leyse, city aud.

Mo., Kansas City—Making plans, changing grade and paving 2.16 mi. Washington Park Blvd. from Hardesty Ave. to city limits, 100 ft. W. H. Dunn, City Hall, engr.

Mo., Kansas City — Jackson Co. plans completing grading and paving 1½ mi. Washington Park Blvd. east from city limits, 100 ft. L. Koehler, Courthouse, co. engr.

Mo., St. Louis—Soon takes bids grading, draining and paving with sheet asphalt, Willite or Warrenite 28,560 sq.yd. Kingshighway; Warrenite on concrete paving 4,950 sq.yd. Rosedale St. $100,400. W. W. Horner, 300 City Hall, engr.

Arkansas—State Hy. Dept., Little Rock, soon takes bids grading, Bates type concrete surfacing, etc., 11 mi. Arkansas-Missouri Rd. Impvt. Dist., north of Little Rock, 18 ft. Ford & MacCrea, Gazette Bldg., Little Rock, engrs.

Ark., Little Rock—City Clerk takes bids in May or June, grading hard-surfacing, etc. 14,000 sq.yd. West 4th St. in Dist. 400. $60,900. M. M. Martin, 931 Southern Trust Bldg., atty. for Dist. Noted Jan. 29.

Ark., Philadelphia—Making preliminary plans grading, curbing and concrete, asphaltic concrete or asphalt on concrete surfacing 18 blocks Dist. 1. E. F. Peterson, Texarkana, engr.

Tex., Albany — Shackelford Co. making plans grading and bridging 8.4 mi. State Highway 1-A, Albany-Abilene Rd. $40,070. J. E. Pirie, Albany, co. engr.

Tex., Angleton—Brazoria Co. soon takes bids surfacing 10.88 mi. State Highway 19, Federal Aid Project 367-B, $92,500; and 6.59 mi. State Highway 19, Federal Aid Project 367-A, $52,500, both 18 ft. H. W. Munson, Jr., Angleton, engr.

Tex., Beaumont — Voted $150,000 bonds paving various streets. R. C. Black, city engr. Noted Feb. 29.

Tex., Dallas—Election Apr. 7, $250,000 bonds, paving various streets. E. A. Kingsley, city engr.

Tex., Donna—Voted $35,000 bonds paving various streets. W. Whigham, mayor.

Tex., Midland — Making plans paving various streets. J. Winborne, city secy. Engineer not selected.

Tex., Temple—Election Apr. 6, $26,000 bonds permanent paving various streets. H. J. Graesser, city mgr.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys grading and concrete surfacing 160,000 sq.yd. Bankhead Highway, Stephens Co. $300,000. J. M. Page, highway engr.

Okla., Blackwell — Plans grading, concrete curbing, guttering and vertical fibre brick surfacing 6,480 sq.yd. 2 alleys South 8th and South B Sts. $32,500. W. Ritzhaupt, Blackwell, engr.

Okla., Chandler—Plans sheet asphalt resurfacing 20,000 sq.yd. Manvel Ave. $40,000. D. D. Landsaw, city clk. Engineer and architect not selected.

Okla., Hennessey — Plans grading and concrete surfacing 17,800 sq.yd. Meridian Highway, Main St. $68,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Oklahoma City—Plans widening 8 blocks Robinson St., 5 ft. on each side and sheet asphalt resurfacing entire street from Reno to Central Aves., $35,000. B. M. Hart, City Hall, engr.

Okla., Sapulpa—Plans grading and concrete surfacing 9,600 sq.yd. Cedar and West McKinley Sts. $35,000. F. E. Lawrence, Sapulpa, engr.

Okla., Weleetka—Plans grading, concrete curbing, guttering and gravel surfacing 18,000 sq.yd. Creek, 7th, 9th and 10th Sts. $30,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Wilburton—Postponed opening bids Mar. 2, concrete surfacing 10,450 sq.yd. Main St., Paving Dist. 1. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Feb. 19.

Washington—State Hy. Dept., Olympia, plans 44.67 mi. paving, 6 mi. surfacing, 48.9 mi. grading, and 56.2 mi. grading and surfacing various highways throughout state; 12 bridges, one a ½ mi. long, and 3 totaling 1 mi. long, also 1,500 ft. bridge at Vantage Ferry. R. H. Hartley, governor, signed bill providing $14,827,000 for highway work, etc. J. Allen, state highway engr.

Wash., Aberdeen — Making plans 6 in. concrete paving present graveled streets 60 blocks Bway. Hill Dist. $200,000. E. G. Hunt, Aberdeen, engr.

Calif., Berkeley—Plans paving Arlington St. between The Circle and city limits. To exceed $25,000. J. A. Eddy, city engr.

Calif., Chico—Making plans improving various streets, 372,640 sq.ft. 5 in. asphaltic concrete, 16,804 sq.ft. 5 in. concrete paving, 16,430 sq.ft. 4 in. concrete gutters, etc. R. H. Witt, city engr.

Calif., Hermosa Beach—Plans guttering, curbing, sidewalks, and National on 4 in. asphaltic concrete, etc., Hermosa Ave. between 14th and 27th Sts., etc. To exceed $25,000.

Calif., Salinas — Made plans improving Church St., 202,414 sq.ft. grading, 667 tons base rock, 200,157 sq.ft. 2 in. Warrenite bituminous paving, 5,783 lin.ft. concrete curb, and 7,542 sq.ft. concrete gutters; Central Ave., etc., 101,152 sq.ft. grading, 101,152 sq.ft. 2 in. Warrenite bituminous surface, 237 tons base rock, 3,735 lin.ft. concrete curb, 6,207 sq.ft. concrete gutters. H. Cozzens, city engr.

Calif., San Jose—Santa Clara Co. made plans paving Alviso and Milpitas Rds., 157,320 sq.ft. macadam and 22,680 sq.ft. asphaltic concrete. R. Chandler, San Jose, co. surv.

Calif., Taft — Made plans improving Kern St., 151,700 sq.ft. 1.5 in. Warrenite-bituminous on 3.5 in. asphaltic concrete paving, 22,000 sq.ft. sidewalks, 4,450 lin.ft. concrete curb and gutter, etc.; 3rd St., 25,900 sq.ft. paving, 7,000 sq.ft. sidewalks, 1,400 lin.ft. curb and gutter, etc.; and North St., 17,600 sq.ft. 1.5 in. Warrenite-bituminous on 3.5 in. asphaltic concrete paving 800 lin.ft. curb and gutter, etc. O. R. Boyd, city engr.

Ont., Amherstburg — Plans asphalt resurfacing Sandwich St. $30,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Barrie—Takes bids about May 1, cement paving Essa, Blake and Burton Aves., prices wanted on materials. A. Craig, chn. com.

BIDS DESIRED

R. I., East Providence (Providence P. O.)—Mar. 23, by Council, Town Hall, bituminous macadam paving and curbing, John, James, Purchase and 5th Sts., and portion of Roger Williams Ave. Noted Feb. 26.

R. I., Central Falls—Mar. 30, at office of Board Street, Water & Sewer Commissioners, City Hall, granite block on concrete paving about 7,000 sq.yd., Broad St.; adv. E. N.-R. Mar. 19.

Mass., Roxbury (Boston P. O.)—Mar. 24, by Dept. Pub. Wks., City Hall, Boston, recut granite block paving Tremont St. from Terrace St. to Huntington Ave., here. $25,000. J. A. Rourke, comr.

New York—Apr. 3, by A. W. Brandt, comr. Highways, Albany, improving highway in Cattaraugus Co.; also reconstructing highways in Allegany, Cattaraugus, Cayuga, Chautauqua, Clinton, Erie, Genesee, Jefferson, Lewis, Livingston, Madison, Monroe, Niagara, Ontario, Rensselaer and Tompkins Counties, for State Dept. Pub. Wks., Albany, adv. E. N.-R. Mar. 19.

N. Y., Long Island City — Mar. 23, by M. E. Connolly, boro. pres., Queens Sub-

STATION FINISH—BROOKLYN, N. Y.

Following are lowest three bids opened by Bd. Transportation, Municipal Bldg., New York City, Feb. 27, for station finish for 95th St. Station, Rapid Transit R.R., Route No. 111-B, Sect. No. 3, (A) Suffolk Building Corp., 7 East 42nd St., New York City (awarded contract); (B) Werner-Mitchell Co., Inc., 1 De Kalb Ave.; (C) Norman A. Deiser, 280 Madison Ave., New York City. The unit bids are as follows:

		A	B	C
5,500 sq.ft.	white glazed tile 3 x 6 in. (a) straight	$1.15	$1.45	$1.30
100 sq.ft.	(c) 2½ in. radius (combination)	2.50	2.90	2.75
10 sq.ft.	(d) 20 in. radius (curved and combination)	1.15	3.00	2.75
19,000 sq.ft.	white glazed tile 3 x 6 and 6 x 6 in. (a) straight	1.00	1.35	1.30
10 sq.ft.	(b) 1 in. radius (combination)	1.00	2.90	2.75
600 sq.ft.	(c) 2½ in. radius (combination)	2.50	2.85	2.75
20 sq.ft.	(d) 20 in. radius (curved and combination)	1.00	2.85	2.75
10 lin.ft.	white glazed tile bead (a) 1 in. radius	.25	1.20	.20
7,700 sq.ft.	weather-proof vitreous or semi-vitreous colored tile hand-made (a) straight	1.50	2.30	2.20
250 sq.ft.	(c) 2½ in. radius (combination)	2.00	3.80	3.50
40 sq.ft.	(d) 20 in. radius (curved and combination)	1.50	3.80	3.50
4,000 sq.ft.	Mosaic and tile bands, in colors	2.75	3.25	3.00
170 sq.ft.	Mosaic and tile tablets in colors indicating names of stations	3.00	4.45	5.00
30 sq.ft.	Mosaic and tile tablets in colors indicating train destinations and toilets	3.00	4.45	5.00
900 sq.yd.	plastering on flat surfaces except on change booths (a) on brick or hollow tile	1.00	1.25	1.50
20 sq.yd.	(b) on concrete	1.00	1.70	1.50
10 sq.yd.	(c) on metal lath	1.00	1.75	2.20
350 sq.ft.	cement floors, wainscots, bases, etc. (a) wainscots or bases	.20	.30	.35
250 sq.ft.	(cc) special 3 in. floor finish as required sect. No. 87	.25	.30	.35
10 sq.ft.	(d) finish on concrete brick or hollow tile	.50	.35	.35
400 sq.ft.	(f) 1 in. floor finish	.15	.16	.12
40,000 sq.ft.	(h) 3 in. floor finish	.20	.19	.20
10 cu.yd.	concrete work (b) concrete foundation	30.00	17.00	15.00
500 cu.ft.	(c) rein. conc. (other than copings, stairs and landings)	2.00	.95	1.50
20 cu.ft.	(d) protective concrete for columns, beams and girders	5.00	.85	1.10
110 cu.ft.	(i) concrete copings and landings at street level	1.50	1.25	2.75
60 cu.ft.	(j) concrete copings other than at street level	1.25	1.25	2.75
12 cu.ft.	cutting openings in concrete walls of circuit breaker room, sec. No. 62.2	5.00	2.00	2.50
680 lin.ft.	of tread concrete stairs, stairway landings, etc. (a) self-supporting stairs	1.75	2.78	1.80
1,500 cu.ft.	(c) supported stairs	1.25	1.60	1.25
700 sq.ft.	(d) supported stairway landings	.25	.42	.30
400 lin.ft.	(g) cement bases or wall strings	.25	.65	.33
230 lin.ft.	(h) cement finish on exposed sides of stairs and landings	.20	.30	.33
1,200 sq.ft.	non-slip tile treads	1.75	1.50	2.00
2,500 cu.ft.	brick masonry (except in walls of change booths) (c) common brick	1.50	1.25	1.25
6,500 cu ft.	hollow T.C. tile masonry (except in walls of change booths) (b) 3 in. hollow tile	1.00	1.00	1.21
2,500 cu.ft.	(c) 4 in. hollow tile	1.50	.85	1.10
300	weepholes in hollow tile sidewalls	.50	.20	.25
50	galvanized strap anchors	2.00	.90	.50
10 sq.yd.	metal lath (except in ceilings of change booths) (a) without furring	1.25	.80	1.25
2	masonry change booths except roofs (l) type "MPb"	1,875.00	1,150.00	1,300.00
2	metal toilet stall partitions and access (a) partitions in men's toilet	100.00	75.00	60.00
2	(b) partitions in women's toilet	100.00	81.00	65.00
1	(c) posts	25.00	18.00	30.00
2	steel doors (c) type "Ja"	300.00	275.00	310.00
2	pair kalamein doors, except for change booths (a) type "A"	150.00	74.50	110.00
10	(d) type "D"	80.00	63.50	70.00
1	(dd) type "Da"	80.00	57.50	55.00
1	(e) type "E"	80.00	45.50	60.00
2	(g) type "G"	75.00	95.00	60.00
5	(m) type "M"	80.00	62.60	60.00
1	(p) type "P"	50.00	30.00	50.00
200 sq.ft.	kalamein windows, except for change booths (a) double hung	4.00	3.50	3.00
15 sq.ft.	(d) windows with stationary sash	4.00	3.00	3.00
40 sq.ft.	(g) windows with hinged sash	4.00	3.25	3.00
3 additional	hardware (a) door checks	10.00	8.00	8.00
20	(d) swing door stops (except for toilet stall doors)	4.75	4.75	4.75
2	(e) rubber covered chains	4.00	3.75	3.75

			A	B	C
3		(d) push plates	7.00	6.00	6.00
3		(e) door pulls	10.00	7.75	8.00
3 pair		(f) kick plates	20.00	17.25	18.00
3		(i) heavy mortise dead locks, complete	5.75	5.75	5.50
6		(j) heavy mortise locks, complete	20.00	13.50	13.50
3		(k) heavy mortise knobs latches, complete	15.00	11.75	12.00
1		(n) pin tumbler cabinet locks, combined	5.00	4.25	4.00
5		(o) hasps and staples or pair of padlock eyes	1.00	.75	.70
		(u) heavy mortise cylinder lock with dead bolt	25.00	27.50	26.50
8		(y) coat hooks	1.00	.50	.50
230 lin.ft.		(a) low straight type "FS" including posts	9.50	5.75	9.00
4,200 sq.ft.		(c) high straight type "GS" including posts	1.35	1.15	1.20
100 lin.ft.		(e) bevel type "LS" including posts	10.00	6.50	9.50
100 sq.ft.		(f) grille type "BS" including posts	2.55	2.20	2.40
120 lin.ft.		(g) pipe	4.00	3.65	3.50
6 lin.ft.	gates and appurtenances				
		(b) high sliding gates	18.00	19.50	18.00
3 lin.ft.		(c) folding gates	15.00	16.50	14.50
5		(e) exit turnstiles	450.00	475.00	450.00
1		(a) additional high posts	15.00	15.00	18.00
1 per gate opening		(r) steel gate posts, cross frame and oppurtenances	60.00	61.00	50.00
300 sq.ft.	signs, etc.	(g) enameled sign plates	1.50	1.50	1.75
9		(mm) frames for station name signs	40.00	32.00	30.00
110 lin.ft.	street railings (b) type "Ki"		25.00	23.00	22.00
80 lin.f.t	of tread street ladders, platforms, etc.				
		(a) steel ladders between stations	5.00	3.00	3.00
1,000 lb.		(e) steel shapes and lintels	.20	.10	.12
100 lb.		(f) miscellaneous steel shapes	.20	.12	.12
400 lb.		(j) steel roads and bars built in concrete	.30	.06	.06
20 lin.ft.		(k) steel ladders with rungs	5.00	3.75	5.50
100 lb.	miscellaneous iron castings etc		.20	.22	.25
620 lin.ft.	oak hand rails		1.50	2.00	2.00
1,100 lin.ft.	platform edge construction complete		.50	.32	.40
Rough plumbing work complete		(a) 95 St. station (lump sum)	3,750.00	1,600.00	4,230.00
		(b) enclosures between stations (lump sum)	2,750.00	1,500.00	4,063.00
10	floor drainage system, sec. No. 174.1	(b) install. C.I. covers, inlets	5.00	11.00	10.00
10		(c) install cleanout boxes	5.00	11.00	10.00
8	plumbing fixtures	(a) water closet bowls	150.00	92.00	60.00
2		(b) lavatories in stations	100.00	83.00	50.00
7		(d) urinals	175.00	119.00	60.00
2		(g) slop sinks in closets	75.00	86.00	50.00
3		(k) wash sinks	150.00	92.00	60.00
6		(a) floor push button boxes	100.00	33.00	25.00
150 sq.ft.	structural slate	(m) wainscoting on walls	1.25	1.68	1.35
130 sq.ft.		(h) pipe chamber partitions	1.25	1.68	1.35
150 sq.ft.		(p) stall partitions	1.25	2.00	1.65
24 lin.ft.		(r) curved corners and angles	2.50	2.60	2.00
18 sq.ft.		(t) stiles and caps	1.50	1.75	1.75
1,250 lb.	steel angles, plates or other sections for supporting slate		.20	.14	.16
10 c.l.	or steel register faces, frames, etc. (a) register faces and frames		15.00	12.00	12.00
330 lin.ft.	l.c. or steel elect. conduits, except in lamp posts, signs and change booths	(a) ½ in.	.30	.23	.45
1,350 lin.ft.		(b) 1 in.	.50	.30	.52
330 lin.ft.		(c) 1¼ in.	.75	.39	.72
200 lin.ft.		(d) 2 in.	1.00	.50	.80
80 lin.ft.		(i) 3½ in.	2.00	1.50	1.75
7	c.i. outlet boxes (incl. covers) except where incl. in payment for booths		1.25	2.50	1.75
2	c.i. pull boxes (incl. covers) except where incl. in payment for booths				
		(b) 12 x 12 x 6 in.	15.00	13.00	16.00
1		(e) 12 x 6 x 4 in. with hinged covers and locks	7.00	7.10	12.00
28		(f) 6 x 6 x 4 in.	5.00	3.65	7.00
7		(i) 8 x 8 x 4 in.	6.00	6.00	8.50
11		(j) 8 x 8 x 6 in.	10.00	7.10	10.50
6	cast iron heater boxes (including register faces)		50.00	40.00	25.00
1	steel panel board boxes (d) 32 x 5½ in. from 49 to 60 in. long inclusive		50.00	63.00	55.00
3		(e) 32 x 5½ in from 37 to 48 in. long inclusive	50.00	54.00	50.00
4		(f) 32 x 5½ in. from 24 to 36 in. long inclusive	50.00	48.00	40.00
4,000 sq.ft.	painting iron, steel, plaster, etc.				
		(a) 2 coat work on iron or steel	.06	.05	.05
18,000 sq.ft.		(b) 3 coat work on iron or steel	.07	.06	.06
70,000 sq.ft.		(c) 2 coat work on concrete cement and plaster	.06	.05	.05
750		(d) painting letters and numerals	.15	.12	.10
30,000 sq.ft.		(i) each coat in addition to 2 or 3 coat work	.01	.02	.005
Shelf and closets under windows between signal tower and rep't. R.M. sec. No. 115 (lump sum)			200.00	123.00	100.00
Extended totals			$127,679	$132,445	$136,858

Streets and Roads (Continued)

way Bldg., grading and curbing Charlotte Pl., 86th and 101st Sts., Roosevelt and Cornaga Aves.

N. Y., New York—Mar. 26, by Park Bd., 64th St. and 5th Ave., repaving sidewalks at park at Southern Blvd. and approach to Willis Ave. Bridge.

N. Y., New York—Mar. 26, by H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., bituminous concrete paving East 207th St.; sheet asphalt paving Lawrence, Monterey and Walton Aves.; grading, etc., DeWitt Pl., Gouverneur and Wilson Aves.

New Jersey—Apr. 6, by State Hy. Dept., Trenton, rein.-con. paving Route 15, Sect. 8, Cape May Co. A. L. Grover; adv. E. N.-R. Mar. 19.

N. J., New Brunswick—Mar. 24, by City Comn., sheet asphalt paving, Division, Prosper, Scott and Stone Sts. A. Atkinson, New Brunswick, engr.

N. J., North Beach Haven—Mar. 27, by Long Beach Twp. Com., graveling 20,292 sq.yd. roadway on 13th St., Bennett Beach, 8 streets in Arlington, 3 streets in Ship Bottom, 2 streets in Beach Haven and 1 street in Beach Haven Terrace, all Ocean Co. W. M. Petzelt, North Beach Haven, twp. clk.

N. J., Pennington—Mar. 31, by Bd. Freeholders Mercer Co. (Trenton), concrete paving 20,345 sq.yds. Main St., here. H. F. Harris, Court House, Trenton, engr.

N. J., Quakertown—Apr. 4, by Franklin Twp. Com., macadam paving 3,182 sq.yd. road. G. Davis, Whitehouse Sta., engr.

N. J., Trenton—Mar. 31, by Bd. Freeholders Mercer Co., tars for surface treatment and penetration work on 29 mi. various roads. H. H. Harris, Court House, engr.; adv. E. N.-R. Mar. 19.

Pa., Oakmont—Mar. 23, by City Council, grading 8th, 6th, and Edgewood Aves.; repaving Washington Ave., and paving 5th St., Oakmont, Woodland, Virginia and Maryland Aves. Work involves 20,000 sq.yd. vitr. brick, 10,000 lin.ft. con. curbing, 24,000 cu.yd. grading. Douglas & McKnight, 912 Columbia Bank Bldg., Pittsburgh, engrs.

Md., Baltimore—Mar. 26, by Bd. Awards, grading and concrete paving alleys in Contr. 113. B. L. Crozier, City Hall, highway engr.

W. Va., Beckley—Mar. 25, at office L. M. Dorsey, Raleigh Co. Rd. Superv., Room 206 Bair Bldg., grading, etc., 3 mi. Besoco-Princewick Rd., and 1,400 ft. road at Jarrolds Valley; and concrete, stone and steel bridge across Marsh Fork.

W. Va., Lewisburg—Apr. 11, by Greenbrier Co. Court, bituminous macadam surfacing 5 mi. Laurel Creek-Quinwood Rd., Meadow Bluff Dist. H. L. Handley, co. engr.; adv. E. N.-R. Mar. 19.

Alabama—Mar. 25, by State Hy. Dept., Montgomery, gravel surfacing 3 mi. Troy-Orion Highway, 18 ft., Pike Co. $95,000. W. S. Keller, highway engr.

Miss., Coffeeville — Mar. 31, by Bd. Supvrs. Yalobusha Co. at office chancery clerk, grading and gravel surfacing 8.756 mi. Federal Aid Project 161-C, 18 ft. H. C. Dietzer, Jackson, engr.

Miss., Sardis—Apr. 6, by Bd. Supervs. Panola Co., grading, etc., 3.117 mi. Federal Aid Project 55, 18 ft. H. C. Dietzer, Jackson, engr.

Miss., Water Valley — Mar. 31, by Bd. Supervs. Yalobusha Co., grading, bridging, gravel surfacing, etc., 8.8 mi. Federal Aid Highway, 18 ft. $100,000. H. C. Dietzer, Jackson, engr.

Louisiana—Mar. 31, by State Hy. Dept., Reymond Bldg., Baton Rouge, constructing 3.75 mi. Burnside-Hope Villa Highway, State Project 130 A, Ascension Parish. W. B. Roberts, ch. engr.

Louisiana—Apr. 2, by State Hy. Dept., Reymond Bldg., Baton Rouge, graveling State Project 351 C, St. Francisville-Jackson Highway, West Feliciana Parish. W. B. Roberts, ch. engr.

Tennessee—Mar. 27, by State Dept. Hys. & Pub. Wks., Nashville, **(F. A. P. means Federal Aid Project, and S. A. P. State Aid Project)**, grading and waterbound macadam surfacing and bridging 6.94 mi. Rogersville-Pressmens Home Rd., S. A. P. 176, Hawkins Co.; concrete surfacing 9.41 mi. Milan-Madison Co. line Rd., S. A. P. 167-B, Gibson Co.; grading and rock asphalt on crushed stone surfacing 0.91 mi. Gallatin-Davis Co. line Rd., S. A. P. 194, Sumner Co.; concrete or asphaltic concrete on concrete surfacing 5.23 mi. Lenoir City-Knox Co. line Rd., F. A. P. 207, Loudon Co.; grading and gravel surfacing 8.98 mi. Sta. 399-Savannah Rd., S. A. P. 187-B, Hardin Co.; grading, etc., 14.75 mi. Milan-Weakley Co. line Rd., S. A. P. 19-3, Gibson Co., 12.56 mi. Benton-Georgia State line Rd., S. A. P. 192, Polk Co., incl. 2 concrete bridges over 20 ft. span, 14 mi. Helenwood-Kentucky State Line Rd., S. A. P. 191, Scott Co., incl. 3 concrete bridges over 20 ft. span. J. G. Creveling, highway comr. Noted Nov. 13, Dec. 5 and 12.

O., Canton — Mar. 24, by Bd. Control, improving 22nd St. N. W. $35,000, Ross Ave. N. E. $25,000, and Garfield Ave. S. W. $35,000-$40,000; asphalt paving 0.75 mi. Plain Ave. N. E. $40,000, and 15th St. S. W. $35,000; brick paving Cleveland Ave. N. W. $35,000, Belden Ave. N. E. and S. E. $50,000. W. E. Sarver, City Hall, engr.

O., Cleveland—Mar. 25, by City, grading, paving and curbing Bancroft, Diamond, Othello and Woodworth Aves., Penhurst, and Whitcomb Rds., East 113th, 147th and 156th, West 22nd, 50th, 117th, 136th and 137th Sts., West 22nd Place. R. Hoffman, City Hall, engr.

O., Lisbon — Mar. 25, by Comrs. Columbiana Co., grading and concrete paving East Palestine-Negley Rd., $47,112. L. C. Kirk, Court House, engr. Noted Sept. 25.

O., Millersburg—Mar. 30, by S. Franks, Jr., village clk., City Hall, grading, paving, curbing, storm and sanitary sewers in various streets. Barstow & McCurdy, 321 Ohio Bldg., Akron, consult. engrs.; adv. E. N.-R. Mar. 19.

O., Shadyside—Mar. 25, by City Council, vitr. brick paving 10 blocks West 40th, 41st and 44th Sts. $60,000. H. Althar, Bellair, engr.

Michigan—Mar. 24, by State Hy. Dept. at office Comrs. Kent Co., Grand Rapids, grading and gravel surfacing 2.602 mi. Bostwick Lake-Canonsburg Rd., 23,739 cu.yd. excav., 25,100 sq.yd. gravel, also constructing 24 ft. T-beam bridge on same. G. C. Dillman, Lansing, ch. engr.

Michigan—Mar. 26, by State Hy. Dept. at office Comrs. Genesee Co., Flint, grading and gravel surfacing 3.997 mi. Duffield and Bay Rds., 3.026 mi. Coldwater Rd., 3.543 mi. Byron and Bristol Rds. J. Dennis, Flint, engr.

Michigan—Mar. 27, by State Hy. Dept. at office Comrs. Ingham Co., Mason, grading and gravel surfacing 3.401 mi. Meredian Project 4 and 5, 2.501 mi. Williamston Center Rd. 3, 2.003 mi. Aurilleus Project 1, Homer Project 2, and 2 mi. Game Farm Rd. 1. O. K. Franklin, Mason, engr.

Michigan—Mar. 31, by State Hy. Dept. at office Comrs. Eaton Co., Charlotte, grading and concrete paving 6.288 mi. Federal Aid Project 100 D, 67,262 sq.yd. 7 in standard concrete, 39,251 cu.yd. excav., etc. G. C. Dillman, Lansing, ch. engr.

Michigan—Apr. 2, by State Hy. Dept. at office Comrs. St. Clair Co., Port Huron, concrete paving 3.402 mi. State Trunk Line Rd. 27-15 B, also 6.961 mi. State Trunk Line Rd. 27-21 (assessment Dist. Rd. 1106). G. C. Dillman, ch. engr.

Ill., Galesburg—Mar. 23, by Bd. Local Impvts., grading, curbing, guttering and vitr. brick surfacing 6,060 sq.yd. West Brooks St. A. L. Richey, City Hall, engr.

Wis., Elkhorn—Mar. 24, by H. J. Peters, hy. comr., Walworth Co., improving 4 mi.

Streets and Roads (Continued)

Lake Geneva-Williams Bay Rd., 21,772 cu.yd. earth, 500 cu.yd. loose and 100 cu.yd. solid rock excav., 9,630 ft. concrete curb and gutter, 36,660 sq.yd. 18 in. and 9,500 sq.yd. 27 in. concrete paving, 5,100 lbs. steel and 9,500 sq.yd. mesh reinforcing, etc., 18 ft. wide. State Hy. Comn., Division office 444 Milwaukee St. Milwaukee, engrs. Noted Nov. 27.

Wis., Janesville—Mar. 26, by Comr. Pub. Wks., 104,000 sq.yd. one course rein.-con. paving, 30,700 cu.yd. excav., 17,300 ft. combination concrete curb and gutter, etc., 24 streets. C. V. Kerch, City Hall, engr.

Wis., Kenosha—Mar. 26, by J. Herzog, highway comr. Kenosha Co., improving Silver Lake-Twin Lakes Rd., 95,885 sq.yd. concrete surfacing, 51,536 cu.yd. earth and 500 cu.yd. loose rock excav., 12,433 lbs. reinforcing in pavement, 28,700 bbls. cement in place, 1,546 ft. type A guard rail, etc., 18 ft. wide. St. Hy. Comn., Madison, engrs. Noted Feb. 19.

La., Bastrop—Mar. 24, by Police Jury Morehouse Co., grading and surfacing 19.2 mi. various roads, also furnishing 8,000 cu.yd. gravel, 3,786 rods field fence, 58,000 ft. bridge lumber, etc. J. L. White, Bastrop, engr.

Ia., Cedar Rapids—Country Club Land Co., L. J. Duflinger, Cedar Rapids Trust & Savings Bank, taking bids grading, curbing and rein.-con. surfacing approximately 25,000 sq.yd. various streets. M. Tschirgi & Sons, Amer. Trust Bldg., engrs.

Ia., Marion—Apr. 14, by G. A. Senninger, aud. Linn Co., grading, etc. 6.933 mi. Federal Aid Project 225, 138,428 cu.yd. excav., 26,479 ft. 6 and 8 in. tile drain pipe, and 710 ft. 15- to 24-in. culvert pipe. R. W. Gearhart, Marion, engr.

Ia., Ottumwa—Mar. 23, by M. L. Holman, city clk., paving about 10,700 sq.yd. various streets. $35,000. Noted Mar. 5.

South Dakota — Mar. 24, by State Hy. Dept., Pierre, **(F. A. P. means Federal Aid Project)**, grading 12.67 mi. road from Belvidere to East County line, F. A. P. 185, Jackson Co., 110,842 cu.yd. common excav., etc., 11.03 mi. road from West Co. line to Barnard, F. A. P. 171 D, Brown Co., 82,275 cu.yd. common excav., etc., 14.11 mi. road from West Co. line to Yankton. F. A. P. 178 C, Yankton Co., 102,995 cu.yd. common excav., etc.; one 48 ft. concrete viaduct on F. A. P. 185 B, Jackson Co., 9,960 lb. reinforcing and 33,675 lb. structural steel, etc. T. Soliglad, acting highway engr.

Wyoming—Mar. 27, by State Hy. Comn., Cheyenne, **(S. A. P. means State Aid Project and F. A. P. Federal Aid Project)**, widening approximately 0.5 mi. Cody-Park Rd., S. A. P. 595, Cody Co., also crushed rock surfacing 9,000 cu.yd. Thermopolis-Shoshone Rd., S. A. P. 118 C and D, Hot Springs Co., $32,000, R. L. Silver, Basin, engr.; crushed rock surfacing 32.8 mi. Rawlins-Casper Rd., F. A. P. 64-A, Carbon Co., $176,000, G. W. Marks, Rawlins, engr.; crushed rock surfacing, etc., 3,000 cu.yd. highway west of Douglas, S. A. P. 597, Converse Co., and drainage structure on Rawlins-Casper Rd., S. A. P. 598, Natrona Co., $25,000, C. H. Bowman, Casper, engr.; grading, surfacing, etc., 13 mi. Cheyenne-Wheatland Rd., F. A. P. 175-B, Laramie Co., $132,000, grading, etc., 9.8 mi. Lander-Rawlins Rd., F. A. P. 162-B, Fremont Co., $56,000, Z. E. Sevison, Cheyenne, engr.; also grading, surfacing, etc., 1 mi. S. A. P. 599, 600, 601 and 602, Sheridan and Albany Counties, 270 ft. corrugated iron culverts, 700 cu.yd. open ditch, 3,700 ft. tile drain, $25,000, 4.9 mi. Sheridan-Buffalo Rd., F. A. P. 175-B, Johnson Co., $36,000, C. R. Wood, Sheridan, engr.; grading, bridging, etc., Sage-Randolph Rd., S. A. P. 576, Lincoln Co., $25,000, R. J. Templeton, Rock Springs, engr.

Missouri—Mar. 28, by State Hy. Dept., Jefferson City, grading 115.799 mi. roads in Atchison, Lafayette, New Madrid, Dallas, Boone, Platte, Mercer, Stone, Grundy, Andrew, St. Francois, Jefferson, Texas, Greene, Jasper, Randolph, Wright and Vernon Counties; 16 ft. gravel surfacing 29.328 mi. roads in Barry, Perry Lincoln, Christian, St. Genevieve and Gasconade Counties; 18 ft. concrete surfacing 34.857 mi. Jasper, Greene, Boone, Mercer and Lafayette Counties; 18 ft. brick on sledged stone surfacing 12.504 mi. roads in Randolph Co.; 12 ft. broken stone base surfacing 10.715 mi. Ripley and Butler Counties; 12 ft. gravel surfacing 10.714 mi. Ripley and Butler Counties; 18 ft. brick on concrete surfacing 7.51 mi. road in Randolph Co.; 9 ft. brick on concrete surfacing 9.988 mi. road in Randolph Co.; 9 ft. concrete surfacing 41.225 mi. roads in Randolph, Mercer, Atchison and Grundy Counties; 18 ft. gravel surfacing 29.795 mi. roads in Calloway, Greene, Vernon and Randolph Counties; 9 ft. brick on concrete surfacing 15.02 mi. road in Randolph Co.; 18 ft. rock asphalt surfacing 9.277 mi. road in Greene Co.; 18 ft. asphaltic concrete surfacing 2.273 mi. road in Greene Co.; 9 ft. concrete and 7 ft. gravel surfacing 6.238 mi. road in New Madrid Co.; 18 ft. Amesite surfacing 5.775 mi. road in Greene Co.; 18 ft. brick surfacing 4.015 mi. road in Vernon Co.; 18 ft. brick on concrete surfacing 4.994 mi. road in Randolph Co. B. H. Piepmeier, ch. engr.

Mo., Salisbury—Mar. 25, by A. Gooding, city clk. grading, curbing and concrete paving 8,675 sq.yd. various streets. W. B. Rollins & Co., 521 Railway Exch., Kansas City, engrs.

Ark., Arkadelphia—Apr. 9, by Bd. Comrs. Paving Impvt. Dist. 2, c/o E. M. Hall, secy., paving various streets, incl. 3,900 ft. clay pipe sewers, etc. E. F. Peterson, Texarkana, engr.; adv. E. N.-R. Mar. 19.

Tex., Albany—Mar. 31, J. E. Pirie, engr. Shackelford Co., grading and bridging 12.71 mi. State Highway 1, Revised Federal Aid Project 6. $75,000. Noted Feb. 26.

Nevada—Mar. 25, by State Hy. Dept., Carson City, constructing 25.30 mi. road from Winnemucca to Stone House, etc., Federal Aid Projects 76 C, 82 B, C and D, Humboldt Co., 122,900 cu.yd. excav., 34,410 sta.yd. overhaul, 24.29 mi. prepare subgrade and shoulders, 33,260 cu.yd. load and screen gravel, 77,900 yd. mi. haul and 32,760 cu.yd. spread gravel, etc. G. W. Borden, highway engr.

Nevada—Apr. 1, by State Hy. Comn., Carson City, constructing 10.24 mi. highway between Westgate and Eastgate Route 2, Sect. E, Churchill Co., 50,500 cu.yd. excav., 1,924 sta.yd. overhaul, 10.24 mi. prepare subgrade and shoulders, 12,200 cu.yd. load and screen gravel, 23,250 yd. mi. haul and 11,700 sq.yd. spread gravel, etc. G. W. Borden, St. highway comr.

Calif., San Diego — Mar. 30, by A. H. Wright, city clk., 5 in. concrete paving, etc. 252,268 sq.ft. National Ave. F. A. Rhodes, city engr. Noted Feb. 19.

Quebec—Mar. 27, by J. L. Boulanger, deputy minister highways, Quebec, maintenance roads for 5 years, incl. 20.5 mi. gravel, 12 mi. oil macadam and 0.38 mi. concrete on La Prairie-Rouses Point Highway; 64 mi. gravel on Montreal-Sherbrooke Highway; 15 mi. gravel on St. Hyacinthe-Rougemount Highway; also 76 mi. gravel, 7 mi. macadam and 1 mi. bituminous macadam on Beauce-Sherbrooke Highway. A. Fraser, ch. engr.

Quebec—Mar. 31, by J. L. Boulanger, deputy minister highways, Quebec, applying 1,030,364 ft. liquid bituminous on various roads. A. Fraser, Quebec, ch. engr.

Ont., Toronto—Mar. 21, by R. W. Philips, secy. Toronto & York Rd. Comn., 57 Adelaide St. E., 4 mi. waterbound macadam and 4 mi. penetration macadam on roads in York Co. $140,000. E. A. James, 57 Adelaide St. E., engr.

BIDS RECEIVED

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., from Interboro Asphalt Co., 2306 Creston Ave., bituminous concrete paving Jerome Ave. $23,926, sheet asphalt paving College Ave. $15,443; from Gaffney Constr. Co., 50 East 42nd St., sheet asphalt paving Mosholu Parkway, $87,983, from Asphalt Constr. Co., 208 Bway., Townsend Ave. $79,756; from Leonard Paving Co., Woolworth Bldg., granite block paving Jerome Ave. $110,386, from J. Meehan & Son, 74 Cortlandt St., Boston Rd. $184,244. Noted Mar. 5.

N. Y., New York—J. Miller, pres. Manhattan Boro., granite block repaving 1st Ave. from J. Meehan & Son, 74 Cortlandt St., $158,385, 3rd Ave. from C. Helbock Co., 633 Wales Ave., $228,939, sheet asphalt repaving 32nd St. from Uvale Asphalt Paving Co., 1 Bway., $24,759, 41st and 23rd Sts., from W. J. Fitzgerald, 547 West 45th St. $24,607 and $29,828 respectively, 7th Ave. from Brusstar Constr. Co., Harlem River and 150th St. $73,033. Noted Mar. 12.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro., Boro. Hall, granite block repaving Bway., from Richmond Paving Co., 48 Hylan Blvd., Rosebank, $19,239. Noted Mar. 12.

New Jersey—State Hy. Dept., Trenton, constructing Route 11, Sect. 10, Washington Ave., Nutley, Essex Co., from Standard Bitulithic Co., 50 Church St., New York City, $55,886; Route 7, Sect. 4, road from Colts Neck Rd. to Jerseyville, Colts Neck, Monmouth Co., from W. Eisenberg, Smith-Austermuhs Bldg., Camden, $143,996. Noted Feb. 19.

N. J., Princeton—Bd. Freeholders Mercer Co. (Trenton), concrete and sheet asphalt paving Harrison St., here, from Union Paving Co., 30th and Locust Sts., Phila., Pa., $57,561.

Pennsylvania—State Hy. Comn., Harrisburg, Mar. 13, **(R means Route and A means Application)** one course rein.-con. paving R 265-4, A 3332, Lawrence Co., from H. P. Streicher & Co., Inc., 319 Terminal Bldg., Toledo, O., $218,682; A 652 and 2790, Dauphin Co., from Frey Constr. Co., Inc., 50 West Philadelphia St., York, $85,486; R 302, Westmoreland Co., from Edwards Dunn Co., Inc., 202 Coulter Bldg., Greensburg, $50,098; R 181, A 3003, Westmoreland Co., from L. R. Mathieu & Sons, 1824 Union Ave., Altoona, $152,287; A 2044, Clearfield Co., from J. Wiesner, 272 Chestnut St., St. Marys, $81,295; R 271, A 3286 and 3287 Crawford Co., from Connell, Laub & Bracht, 51 Woodcrest Ave., Dayton, O., $322,498; R 302, Westmoreland Co., from Penn Contr. Co., 127 East Fairview Ave., Connellsville, $64,005; R 247, Allegheny Co., from Meredith & McVaugh, 220 Horton Ave., Detroit, Mich., $145,070; R 348, A 3002 Westmoreland Co., from Cooper Constr. Co., Inc., Clymer, $247,699; R 7, Pike Co., from Snead & Burgess, Fork Union, Va., $135,856; R 89, A 2977 and 3271, Warren Co., from Forness & Tower, Olean, N. Y., $234,229; R 335, Wayne Co., from C. W. Blakeslee & Sons, 58 Waverly St., New Haven, Conn., $532,906; R 211, McKean Co., from F. D. Ross, 74 High St., Bradford, $270,216; R 70, Allegheny Co., from T. W. Munroe & Co., DuBois, $51,075; R 71, Armstrong Co., from C. Winters Constr. Co. Renfrew, $172,262; and R 275, Perry Co., from S. J. Groves & Sons Co., Montreal and Cleveland Aves., Minneapolis, Minn., $379,363. Noted Feb. 26.

Md., Baltimore—Bd. Awards, 11,940 sq.yd. sheet asphalt on concrete Contr. 269-OANA, from P. Flanigan & Son, Harford Rd., $55,095, and 5,910 sq.yd. cement concrete on Contr. 270-OCOANA, from G. Long Constr. Co., 1st Ave. and 1st St., $14,432. Noted Mar. 5.

O., New Philadelphia—Bd. Control, Mar. 1, repaving High St. and Bway., brick, from LeRoy Springer, New Philadelphia, $84,749. Engrs. est. $85,000. Noted Feb. 5.

Ind., Indianapolis — G. Schmidt, engr. Marion Co., 407 Fidelity Trust, **(e. e. means engrs. est.)**, from Emulsified Asphalt Co., Hume-Mansur Bldg., asphaltic concrete paving 15,206 sq.yd. Kassebaun Rd. $55,573, e. e. $56,800, 22,704 sq.yd. Esmon Rd. $75,170, e. e. $77,000, 2.69 mi. Fitch Rd., 18 ft. $109,386, e. e. $116,327; from A. D. Bowen, 2242 Bway., concrete paving 25,555 sq.yd. McGregor Rd. $78,316, e. e. $82,437. Noted Mar. 5.

Wis., Milwaukee—Dept. Pub. Wks., Mar. 9, grading and paving 1 alley, from Texas Constr. Co., 446 68th Ave., West Allis, $2,340; 1 alley, from E. C. Borst, Manitowoc, $5,938; 1 alley, from G. W. Hirth, 1309 7th St., $1,233; 3 alleys, from Ryback & Sadowski, 1092 2nd Ave., $13,531; 2 alleys, from Schwerm Bros., 50 Lee St., $2,521; and 3 alleys, from Parkinson Constr. Co., 322 27th St., $10,635. Noted Mar. 5.

Ia., Muscatine—Muscatine Co., from Jenner Bros., Davenport, grading, etc., 10.12 mi. road north of here, Project 265-A, incl. earth excav. at $0.249 per cu.yd., loose rock excav. $0.70, and solid rock excav. $0.225, etc.; from T. Ryan & Sons, Missouri Valley, 1.433 mi. road west of Moscow, Project 265-B, earth excav. at $0.34, loose rock excav. $0.75, and solid rock excav. $1.80, etc.

Minn., Kasson — Improving Main St., about 7,834 sq.yd. concrete paving and 2,606 lin.ft. concrete curb and gutter, to Larson Constr. Co., Albert Lee, $24,697.

Tex., Henrietta — Clay Co., grading, bridging, etc. 7.4 mi. Henrietta-Petrolia Rd., 26 ft., from J. M. Purvis, 112½ West 9th St., Ft. Worth, $37,875, engrs. est. $28,500; 306 ft. rein.-con. girder bridge across Big Wichita River, from J. F. Buckner & Son, Cleburne, $24,503, engrs. est. $30,000.

Oklahoma—State Hy. Dept., Oklahoma City, concrete surfacing 54,187 sq.yd. Sapulpa-Bristow Rd., Federal Aid Project 158-A, Creek Co., from Gallamore Constr. Co., Cushing, $118,722. Noted Feb. 19.

Wash., Seattle—Paving North and East 40th St., from Erickson Constr. Co., Henry Bldg., 3,300 ft. integral A. C. curb $0.50, 25,900 ft. integral concrete curb $0.23, 1,885 ft. concrete gutter $0.45, 2,400 ft. concrete sidewalks $1.45, 13,500 cu.yd. subgrade $0.55, 16,205 sq.yd. 7 in. concrete $1.65, 36,895 sq.yd. 6 in. concrete $1.44, etc. total $138,731. Noted Feb. 26.

Calif., Pomona — Improving 7,220 ft. Towne Ave., 19,135 ft. 19- to 28-in. curbing, 453,557 sq.ft. 6 in. concrete base., etc., from Union Constr. Co., Long Beach, $86,500. Engrs. est. $92,340.

Streets and Roads (Continued)

CONTRACTS AWARDED

Mass., Stoughton — Town will construct macadam and gravel road in various streets by day labor. $45,000. B. L. Einslow in charge.

N. Y., Brooklyn — J. A. Guider, boro pres., Boro Hall, asphalt repaving Empire Blvd., to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $18,237; Hamilton Ave., to Bradner Contg. Co., 830 Jefferson Ave., $77,621; Marcy Ave., to Borough Asphalt Co., 1301 Metropolitan Ave., $43,486. Noted Mar. 5.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, to Uvalde Asphalt Paving Co., 1 Bway., New York City, asphalt paving Barbey St. $3,383, Newport St. $4,315, Stone Ave. $9,893, to Cranford Co., 52 9th St., Bay 10th St. $7,270, Gatling Pl. $6,822, 65th St. $16,109, 73rd St. $10,364, 76th St. $7,338, to Cleveland Trinidad Paving Co., Flushing, Dumont Ave. $3,507, to Brooklyn Alcatraz Co., 407 Hamilton Ave., East 10th St. $4,522, East 35th St. $3,851, New York Ave. $10,834, West 37th St. $9,900, 10th Ave. $12,162; to Carberry & Block Corp., 45 South 9th St., grading, curbing and flagging, Bedford Ave. $1,558, East 35th St. $1,398, 62nd St. $3,989, to Grimm Contg. Co., 170 McKinley St., East 9th St. $1,644, to W. J. McHale Contg. Co., 1250 Jefferson Ave., East 10th St. $199, to Harrison & Bernhardt Co., Central Ave., Brooklyn Ave. $3,855. Noted Mar. 12.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, restoring and repaving asphalt pavements damaged in connection with subsurface work to Borough Asphalt Co., 1301 Metropolitan Ave., $40,250.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., granite block repaving Park Ave., to Leonard Paving Co., 233 Bway., $134,942; granite block repaving East Tremont Ave., and grading, curbing and sidewalks on Grand Ave., to Asphalt Constr. Co., 208 Bway., $384,995 and $81,841 respectively; grading, curbing, sidewalks, etc., on Davidson Ave., to Interboro Asphalt Co., 2306 Creston Ave., $71,715. Noted Mar. 12.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Johnson Ave., to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $29,158. Noted Mar. 12.

N. J., Newark—Bd. Freeholders Essex County plans grading and sheet asphalt and portland cement surfacing 4,460 ft. River Rd. from Avondale Rd. to Passaic County line, 24 ft. $80,000. W. A. Stickel, co. engr.

N. J., Toms River — Bd. Freeholders Ocean County, 300,000 gal. oil, to Utility Construction Co,. 5 Soring St., New Brunswick, $0.222 per gal.

W. Va., Bluefield—One course concrete surfacing Princeton Ave., Projects 1 and 2, to Ford & Harvey, Lynchburg, $76,935 and $64,115 respectively. Noted Feb. 12.

North Carolina—State Hy. Comn., Raleigh, grading and asphaltic on concrete paving 5.93 mi. State Project 330-Extension, Columbus, to Coastal Constr. Co., Florence, $174,657.

South Carolina—Florence Co. (Florence) and Darlington Co. (Darlington), bituminous concrete surfacing 7.22 mi.. State Project S-542, to W. F. Bowe, Jr., Augusta, Ga., $220,163.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, gravel surfacing 4.7 mi. Eros-Cadeville Rd., Ouachita Parish, to N. M. George Constr. Co., Shreveport, $75,000.

Tenn., Knoxville—Knox Co. will oil surface Bearden, Tasewell and Ball Camp Pikes, etc., by county forces under supervision of J. W. Freeman, 978 Gratz St., supt. highways. Noted July 24.

O., Cleveland—City, improving Summit Rd., 6,530 sq.yd. vitr. brick paving, 3,300 lin.ft. stone curbing, 3,300 lin. ft. 4 in. drain tile gutter, and 7,000 cu.yd. earth excav., to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $49,450, engrs. est. $50,645; Egerton Rd. 4, 22,900 sq.yd. 5 in. waterbound macadam paving, 22,900 lin.ft. stone curbing, 22,900 lin.ft. 4 in. drain tile gutter, and 1,400 cu.yd. earth excav., to Hannon Constr. Co., Warren, $84,856, engrs. est. $90,000. Noted Mar. 12.

O., Columbus — W. H. Duffy, dir. Pub. Serv., grading, laying water services and sewer connections and paving 2,022 ft. 1st Ave., 34 ft., asphalt, to B. F. Patterson, 1214 Neil Ave., $21,461; 792 ft. Washington Ave., 24 ft., asphalt, to Franklin Asphalt Paving Co., 209 South High St., $10,591; 828 ft. Columbiana Ave., 24 ft., and 1,184 ft. Cliffside Dr., 18 ft., both brick, to R. J. Dienst, 480 South 5th St., $14,578 and $15,398 respectively; 2,621 ft. alley north Mothoff St., 18 ft., concrete, to Yale Ave. Constr. Co., 146 Yale Ave., $4,387; 350 ft. alley north of 6th Ave., 16 ft., concrete, to Federal Paving Co., 996 McAllister Ave., $1,940; 950 ft. 8 in. vitr. sewer in alley north Jason Ave., to L. B. Wilkinson, Columbus, $1,172. Noted Feb. 26.

O., Grandview Heights (mail Columbus) —E. A. J. Gross, village clk., to Cleveland Trinidad Paving Co., Grand Theatre Bldg., Columbus, bituminous stone macadam paving 400 ft Gladden Rd., 25 ft., about $5,000; 850 ft. Timberman Rd., 25 ft., about $12,400, and sheet asphalt paving 12,000 ft. Urlin Ave., 30 ft., about $23,000. Noted Feb. 12.

Ind., Albion — Noble Co. grading and graveling 3.1 mi. Sanders Rd., to M. T. Adair, Albion, $28,998. Engrs. est. $31,396. Noted Mar. 5.

Ind., Boonville — Warrick Co., grading and graveling 3.6 mi. Sousott Rd., 24 ft., to A. B. Kremp & Son, Jasper, $26,386. Engrs. est. $34,000. Noted Mar. 5.

Ind., Laporte—Laporte Co. grading and graveling 3.6 mi. Leubker Rd., 24 ft., to A. W. Taylor & Co., Laporte, $37,620. Engrs. est. $38,750.

Ind., Noblesville—Hamilton Co. concrete paving 29,940 sq.yd. McKinney Rd., to McCoun Constr. Co., Noblesville, $64,845. Engrs. est. $85,000. Noted Feb. 26.

Ind., Rising Sun—Ohio Co., grading and graveling 30,976 ft. Cofield Rd., 24 ft., to Sparks & McClamrock, Frankfort, $41,000. Engrs. est. $46,709.

Ind., Terre Haute — Vigo Co., hardsurfacing 3.8 mi. Erickson Rd., to Peerless Constr. Co., Terre Haute, $73,801. Engrs. est. $98,625. Noted Feb. 26.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 22, Sect. 18, Kane and McHenry Counties, to McGucken & Vander Heyden Co., 314 Fowler St., Milwaukee, Wis., $119,965; Route 27, Sect. 17, Ogle Co., to C. E. Carson Co., 601 St. Clair St., Chicago, $94,-146; Route 23, Sect. 22, McHenry Co., to Harrison Eng. & Constr. Corp., Mutual Bldg., Kansas City, Mo., $76,576; Route 2, Sect. 34, Winnebago Co., to McCarthy Impvt. Co., Kahl Bldg., Davenport, Ia., $115,680. Noted Dec. 11 and 26.

Ill., Urbana—Champaign Co. improving 15.3 mi. Routes 6 and 16, Sects. 46-15-D. 48-15-D and 50-15-D, Colfax, Sadorus, Raymond, Ayers, Pesotum and Crittenden Twps., to W. C. Meneely Co., Decatur, $199,700, 14.59 mi. Routes 9, 11, 10 and 10-A, Sects 49-15-D, 53-15-D, and 60-15-D, Ludlow, Rantoul, Compromise, East Bend and Condit Twps., to Wabash Constr. Co., Vincennes, Ind., $201,057.

Ill., Urbana—Champaign Co. furnishing 340,000 gal. road oil, to J. Bateman, Champaign, at $0.0587 per gal., 740,000 gal. to Independent Oil Co., Paris, $0.0588, 250,-000 gal. to Indian Refining Co., Lawrenceville, $0.063, 120,000 gal. to Central Illinois Oil Co., Lincoln, $0.0584, 20,000 gal. to Standard Oil Co., 400 East Cerro Gordo St., Decatur, $0.0638; spreading oil in various townships, to J. Bateman, Champaign and W. H. Cocking, Jacksonville, $0.01 per gal. Noted Mar. 12.

Wis., Oshkosh—To J. Rasamussen & Sons Co., foot of 7th St., bituminous concrete paving 4,881 sq.yd. Sawyer Ave. at $3.00 per sq.yd., 2,350 ft. concrete curb and gutter, $0.95, concrete paving 9,010 sq.yd. 11th St. at $2.65 per sq.yd., 6,410 ft. concrete curb and gutter, $0.85, 1,810 sq.yd. 15th St. at $2 per sq.yd., 1,198 ft. concrete curb and gutter, $0.85; to Lampert Constr. Co., Main St., 5,060 sq.yd. Wisconsin Ave. $2.74 and 2,572 ft. concrete curb and gutter $0.85. Noted Mar. 5.

Minn., Jamestown—Stutsman Co., grading, etc., 10.738 mi. Federal Aid Project 275 east of Melville, in Stutsman and Foster Counties, to Holman Webster & Son, Tuttle Lake, N. D., $26,744.

Minn., Owatonna — Improving South Cedar St., 10,032 sq.yd. rein.-con. paving, and 5,222 lin.ft. concrete curbing, to Widell Co., 1st Natl. Bank, Mankato, $29,682. Noted Feb. 26.

Kan., Nortonville — Concrete surfacing 14.382 mi. various streets, to Amer. Paving Corp., 1325 Grace St., Omaha, Neb., $43,-846. Noted Mar. 12.

Kan., St. Johns—Stafford Co. will grade and sand clay gravel surfacing 4.526 mi. Central Highway, 18 ft. wide, by day labor. E. O. Adee, St. John, engr. Noted Jan. 15.

Ark., Little Rock—Improving streets in Dist. 404, to G. Garms, 705 High St., $13,-176, and streets in Dist. 405, to Southern Material & Constr. Co., Southern Trust Bldg. Noted Feb. 26.

Ark., Russellville—Pope Co. improving 10 mi. Dover-Russellville Rd., Dist. 2, amesite asphalt top surfacing, to Amesite Asphalt Co., 930 Corinth St., Dallas, Tex., and native crushed rock base, to Anderson & Gwynn, Russellville.

Tex., Boston—Bowie Co., grading, concrete surfacing and bridging 3.31 mi. Federal Aid Project 479, and 3.39 mi. Federal Aid Project 472, both 18 ft., to Myer & Greenwalk Constr. Co., Lauderdale, Miss., $99,001 and $87,216 respectively, engrs. est. $100,000 and $95,000 respectively; grading, bridging, concrete and gravel bituminous paving 8.66 mi. Federal Aid Project 475-A, 18 ft., to Tibbetts Constr. Co., Mineral Wells, $254,935, engrs. est. $250,000. Noted Jan. 26.

Tex., Pearsall—Frio Co., grading, gravel surfacing and bridging 14.86 mi. State Highway 85, State Aid Project 542, 16 ft., to Kelly & Lehr, 502 Barrett Pl., San Antonio, $133,173. Engrs. est. $170,000.

Oklahoma—State Hy. Dept., Oklahoma City, **(F. A. P. means Federal Aid Project, S. A. P. State Aid Project and e. e. engineers estimate)**, grading, concrete surfacing, etc., 52,805 sq.yd. Sapulpa-Bristow Rd., F. A. P. 158-B, Creek Co., and 44,832 sq.yd. same road Sect. C, to Standard Paving Co., 1742 East 3rd St., Tulsa, $136,997 and $109,578 respectively, e. e. $150,000 and $120,000 respectively, 56,136 sq.yd. Oilton-Keystone Rd., F. A. P. 127-E, Creek Co., to M. A. Swatek, Security Bldg., Oklahoma City, $126,313, e. e. $135,000; grading and gravel top surfacing, etc., 56,000 sq.yd. Grant-Red River Rd., Choctaw Co., to A. A. Davis & Co., Grain Exch. Bldg., Oklahoma City, $43,360, e. e. $45,000; grading, etc., 5.218 mi. road west of Henryetta, F. A. P. 168-A and B, Okmulgee Co., to E. G. Fike & Co., Nebraska Bldg., Tulsa, $31,830, e. e. $35,000; concrete surfacing 68,390 sq.yd. Oilton-Keystone Rd., F. A. P. 127-C, Creek Co., to Hanson & Pierce, Edmond, $134,989, e. e. $145,000, and 54,894 sq.yd. Sapulpa-Bristow Rd., F. A. P. 158-D, Creek Co., to Gallamore Constr. Co., Cushing, $111,204, e. e. $120,000. Noted Feb. 19.

Oklahoma — State Hy. Dept., Oklahoma City, **(F. A. P. means Federal Aid Project, S. A. P. State Aid Project, and e. e. engineers estimate)**, concrete surfacing 5.147 mi. Ochelata-Ramona Rd., 18 ft., F. A. P. 15-C, Washington Co., to Hamilton Constr. Co., Bartlesville, $119,275, e. e. $130,000; grading and gravel top surfacing 5.508 mi. Cleveland-Keystone Rd., 18 ft., Pawnee Co., to E. J. Franklin, Tulsa, $34,653, e. e. $40,000; grading, etc. 5.77 mi. road east from Ponca City, 30 ft., F. A. P. 152-A, Osage Co., to Maney Bros., Empire Bldg., Oklahoma City, $23,795, e. e. $30,000, 7.099 mi. Beggs-Mounds Rd., 30 ft., F. A. P. 159-A and B, Okmulgee Co., to Pharoah Bros., Henryetta, $25,447, e. e. $30,000, 8.571 mi. Okmulgee-Okfuskee Rd., 30 ft., S. A. P. 139-A and B, Okmulgee Co. to Ellis & Lewis, Muskogee, $27,573, e. e. $32,000; grading 4.79 mi. Holdenville-Seminole Co. line Rd., 30 ft., F. A. P. 174, and gravel surfacing 92,000 sq.yd. Holdenville-Hughes Co. line Rd., F. A. P. 175, both Hughes Co., to Standard Paving Co., 1742 East 3rd St., Tulsa, $25,492 and $146,-575 respectively, e. e. $30,000 and $160,000 respectively. Noted Feb. 19.

Okla., Alva — Grading and concrete surfacing 13,808 sq.yd. 3rd, 7th and Barnes Sts., to Schultz & Schultz, Harper, Kan., $43,459. Engrs. est. $45,000. Noted Feb. 19.

Wash., Seattle—Paving East 55th St., to R. G. Stevenson 1327 North 34th St., $32,-118; Whitman Ave. et al, to McHugh & Coluccio, 517 3rd Ave., North, $37,498.

Calif., Los Angeles—Curbing, sidewalks, asphaltic concrete paving and oiling Montana Ave. between Federal St. and San Vicente Blvd., to Los Angeles Paving Co., 2900 Santa Fe Ave., $43,535. Engrs. est. $40,483.

Calif., Los Angeles—Grading, cement and concrete curbing, concrete paving, etc., 1st alley westerly from Sylmar Ave. between Victory Blvd. and Calvert St., to E. L. Phillips, 215 South Miles Heights Park, $7,700; grading, cement curb and sidewalks, etc., 67th St. between 5th and 11th Ave., to G. A. Constantine, 1341 South Bronson St., $62,918; grading, cement curbing, sidewalks, and concrete paving, etc., Walbridge Ave. between 12th and Pico Sts., to P. J. Akmadzich, 821 Yale St., $12,118.

Calif., Oakland—Improving 81st Ave. between East 14th and Atherton Sts., 136,133 sq.ft. grading, 6,369 ft. concrete curbing, 12,285 ft. concrete gutter, 107,944 sq.ft. bituminous concrete paving, to Oakland Paving Co., 5000 Bway., approximately $35,000. Noted Feb. 19.

Calif., Redwood City — San Mateo Co. for repairing and repaving 7 mi. road

Streets and Roads (Continued)

between Pescadero and San Gregorio, 65,000 sq.yd. oil screenings surface on 3 in. rock macadam, to W. W. Thompson, P. O. Box 428, $48,850. Noted Feb. 19.

Calif., Santa Cruz—Improving Ocean St. between Water and Soquel Aves. and Ocean St. between Bway. and East Cliff Dr., 168,387 sq.ft. grading, and 168,387 sq.ft. 5 in. concrete paving, etc., to Thompson Bros., G and Divisadero Sts., Fresno, $35,651. Noted Feb. 19.

Calif., South Gate — Grading, curbing, guttering, sidewalks, etc., on 5,000 ft. Long Beach Blvd., to G. H. Oswald, 366 East 58th St., Los Angeles, $127,976. Engrs. est. $128,000.

Buildings—Industrial

PROPOSED WORK

Me., Lewiston—Plant, etc.—Androscoggin Electric Co., plans plant and line extensions. $200,000. Private plans.

Me., West Paris—Plant—Maine Milling & Mining Co., Portland, plans feldspar grinding plant, 40 to 50 tons capacity per day, here. Address W. L. Adams, 211 Ocean Ave., C. H. Farley, 13 Michigan St., or W. W. Mitchell, 102 Exchange St., all of Portland.

Mass., Athol—Factory—Wilcox Novelty Co., 256 Main St., plans 3 story, 40 x 200 ft., brick and steel, plain foundation, Main St., $125,000. Engineer and architect not selected.

Mass., Gloucester—Garage—City, A. F. Grant, Clk. plans repair and service garage, School & Proctor Sts. To exceed $50,000. Architect not selected.

Mass., Montague—Plant—Bd. Selectmen plans municipal lighting plant. $50,000. Engineer and architect not selected.

Mass., Newtonville (Br. Boston)—Repair and Service Garage—Central Garage, Inc., c/o E. A. McDonald, engr. and archt., 77 Summer St., Boston, having plans prepared 2 story, rein.-con. and steel, plain foundation, Newtonville Sq., here. $100,000. Noted Dec. 25.

Mass., Springfield—Repair Garage and Service Station — Noyes-Buick Co., 857 Commonwealth Ave., Allston, having plans prepared 2 story, rein.-con. and brick, Main and Gardner Sts., here. To exceed $40,000. Private plans.

Mass., West Brookfield—Plant—Wheeldon Wire Co. plans rebuilding plant, recently destroyed by fire. $50,000. Engineer and architect not selected.

N. Y., New York—Factory—F. G. Shattuck Co., 60 West 23rd St., having plans prepared by R. G. Corey, 30 Church St., 12 story, 100 x 100 ft., rein.-con. and brick, plain foundation, 43 West 22nd St. $500,000.

N. J., Trenton — Machine Shop — J. E. Thropp & Sons, Inc., Lewis St., soon lets contract 1 story and basement, 82 x 162 ft., rein.-con., brick and steel, Fair St. W. E. S. Dyer, Land Title Bldg., Phila., Pa., archt.

N. J., Trenton—Factory—Freeman Electric Co., 10 Prince St., plans 2 story electric porcelain factory, brick and steel. $40,000. J. O. Hunt, 219 East Hanover St., engr.

Pa., Chester—Plant—Ford Motor Co., Highland Park, Mich., having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, 1 story assembly plant, steel, brick and tile, plain foundation, here.

Va., Richmond — Tank Shop — Amer. Locomotive Co., 30 Church St., New York City, N. Y., plans rein.-con. and steel tank shop, plain foundation, here. $150,000. Private plans.

N. C., Cumnock — Plant — Carolina Fire Proofing Co., Sanford, plans, (1st unit) of plant, etc. I. Hechenbleikner, Hermitage Rd., Charlotte, pres.

N. C., Salisbury—Mill—Rowan Cotton Mills Co. plans addition to double size and capacity of present mill, etc. A. C. Lineburger, Belmont, pres.

Tenn., Knoxville — Shop — Tennessee-Colorado Marble Co. having plans prepared by Manley & Young, 814 West Hill Ave., 180 x 200 ft., concrete and steel marble cutting shop.

Mich., Detroit — Factory — Grover Co. East Jefferson Ave., having plans prepared 1 story and part basement, rein.-con., brick and steel, plain foundation, Pine St. $50,000. Engineer and architect's names withheld.

Wis., Janesville — Manufacturing — Chamber of Commerce, c/o O. Nelson, secy., 114 East Milwaukee St., soon takes bids 1 story, 158 x 200 ft., brick and timber manufacturing building, plain foundation. To exceed $40,000. Private plans. Northern Conveyor & Mfg. Co., 3204 Auer Ave., Milwaukee, lessee.

Wis., Kaukauna—Power Plant—Green Bay & Mississippi Canal Co., Insurance Bldg., Appleton, W. Van Nortwick, mgr., making plans brick and concrete hydro-electric power plant, dam, etc., at Rapid de Croche, 4 mi. north of here. $500,000. Private plans.

Wis., Milwaukee—Factory—Kerner Incinerator Co., 1029 Chestnut St., M. Wells, pres., having plans prepared 1 and 2 story, 70 x 122 ft., brick and timber, plain foundation, East Water St. Private plans.

Wis., Two Rivers — Manufacturing — Kahlenberg Bros. Co. having plans prepared by Lockwood, Greene & Co., archts. and engrs., 38 South Dearborn St., Chicago, Ill., 1 story, 62 x 150 ft., brick and steel addition, plain foundation. $40,000.

Wis., Waukesha—Plant—G. E. Luebben, 416 East College Ave., and P. Luebben, 741 Marietta Ave., Milwaukee, plan 3 story light manufacturing building, brick and concrete or brick and timber, Clinton St. To exceed $40,000. Engineer and architect not selected.

Minn., Minneapolis—Factory, etc.—Cosby-Wirth Sales Book Co., 422 Washington Ave. N., having plans prepared by Ekman, Holm & Co., 302 Phoenix Bldg., 1 and 2 story and basement, 110 x 144 ft., brick and stone, factory and office building, 16th and Washington Aves. $45,000.

Kan., Topeka—Boiler Plant—State having plans prepared by C. M. Rutledge, state archt., Topeka, new boiler plant at Boys Industrial School. $150,000.

Neb., McCook—Plant—Plans election in April, $172,000 bonds, municipal light and power plant.

Mo., Springfield — Creamery — Missouri Farmers Assn., c/o H. A. Cowden, secy., soon takes bids 2 story and basement, rein.-con. and brick plant. $250,000. Private plans. Noted Oct. 9.

Mo., St. Louis—Laundry—City soon takes bids 2 story and basement, rein.-con., brick and stone, City Sanitarium grounds. $155,000. L. R. Bowen and H. Updike, 301 City Hall, engrs. L. R. Bowen and E. E. Christopher, 301 City Hall, archts.

Tex., Cooledge — Plant — J. R. Ogilvie plans ice plant. $45,000. Engineer and architect not announced.

Tex., Houston — Foundry — J. H. Dore, 1203 Oak Dale St., having plans prepared 1 story, 75 x 200 ft. corrugated iron foundry. $42,000. Engineer and architect not announced.

Tex., Houston—Plant—Owner, c/o E. P. Woods, mgr., having plans prepared 4 story, 100 x 125 ft., rein.-con. and brick packing plant. $150,000. Engineer and architect not announced.

Tex., Robert Lee — Plant — Owner, c/o A. W. Puett, plans new ice plant. $45,000. Engineer and architect not announced.

Okla., Ardmore—Ice Plant and Cold Storage—H. Rowe, et. al., soon takes bids 2 story, 75 x 150 ft., and 150 x 300 ft., concrete and brick, 25 ton capacity. $100,000. Private plans.

Wash., Centralia—Power Plant—Western Cross Arm & Mfg. Co. plans power plant. $100,000.

Wash., Seattle — Plant — Pacific Coast Gypsum Co. plans moving from Tacoma to here, and constructing large factory on 7 acre site on West Marginal Way, also slip large enough to accomodate 10,000 ton ship will be dredged. Initial investment $300,000.

Wash., Tacoma—Plant—Pacific Paper Products Co. plans plant, on 50 x 200 ft. site.

Calif., San Francisco—Factory—L. R. Lurie, 315 Montgomery St., having plans prepared by O'Brien Bros., Inc., 315 Montgomery St., 2 story, 80 x 115 ft., rein.-con., 4th and Stillman Sts. $40,000. Glaseo Bros., 621 Montgomery St., lessee.

Calif., San Francisco—Plant—Banner Refining Co., 3rd St. and Islais Creek, plans rebuilding oil storage plant, 20th and Minnesota Sts., destroyed by fire. Loss $250,000.

BIDS DESIRED

Me., Camden—Plant—Seabright Woven Felt Co., c/o F. E. Page, 68 Essex St., Boston, Mass., taking bids 2 story and basement, 90 x 107 ft., brick and timber spinning and weaving plant. $100,000. J. C. and J. H. Stevens, 184 Middle St., Portland, archts. Noted Feb. 12.

Mass., Norfolk Downs (Sta. Boston)—Plant—S. H. Couch Co., Inc., 170 Purchase St., Boston, taking bids 1 and 2 story, 50 x 150 ft., brick and timber addition to manufacturing and storage plant. French & Hubbard, 210 South St., Boston, archts. Noted Jan. 29.

Wis., Milwaukee—Manufacturing—H. J. Esser, archt., 82 Wisconsin St., taking bids 3 story, 20 x 57 and 57 x 164 ft., brick and timber, plain foundation, 33rd St. for A. H. Weinbrenner Co., 66 Juneau Ave. $75,000.

Calif., Los Angeles—Factory—Albertson Motor Car Co., 1540 South Figueroa St., taking bids, 2 story, 101 x 300 ft., rein.-con., 50th St. and Long Beach Ave. $200,000. J. M. Cooper, Marsh-Strong Bldg., archt. Noted Mar. 12.

Calif., Los Angeles—Service Station—L. L. Smith, archt., 833 South Spring St., taking bids remodeling present structure and constructing 4 story, steel and rein.-con. annex, South Hill St., for City, c/o Pub. Service Comn. $155,000. Noted Mar. 12.

CONTRACTS AWARDED

Mass., Cambridge (Boston P. O.) — Factory—Simplex Wire & Cable Co., 201 Devonshire St., Boston, 3 story and basement, 80 x 100 ft., steel and stucco, Pacific St., here, to Stone & Webster, Inc., 147 Milk St., Boston. Archts. est. $125,000.

Mass., Framingham — Shop — Guerney Heater Co., c/o Lockwood, Greene & Co., archts., 24 Federal St., Boston, 1 story, 125 x 250 ft. machine shop, brick, to McNally Building Co., Framingham.

Mass., Jamaica Plain (Boston P. O.)—Repair and Service Garage—W. A. McPherson, 10 Roseway St., will build 2 story, 90 x 110 ft., rein.-con. and brick, 3708 Washington St., by day labor. $75,000. Private plans.

Mass., Worcester—Factory—L. Krintzman, 291 Harrison St., 4 story, 40 x 50 ft., brick, plain foundation, Harrison St., to N. Dworman, 157 Providnce St., Worcester. Archts. est. $40,000. Noted Feb. 19.

Mass., Worcester—Repair and Service Garage—Owner, 4 story, 110 x 180 ft., rein.-con. and steel, Foster and Union Sts., to J. W. Bishop Co., 109 Foster St. Archts. est. $200,000.

Conn., Stamford—Factory—Richards & Co., Ludlow St., 1 story, 80 x 340 ft. chemical factory, stucco and tile, to J. W. Ferguson Co., 152 Market St., Paterson, N. J. Archts. est. to exceed $40,000.

N. J., Hutchinsons Mills (Mercerville P. O.)—W. and J. Sloane, 5th Ave. and 47th Sts., New York City, masonry contract for linoleum plant, to Karno-Smith Co., Broad St. Bank, Trenton, $500,000. Noted Jan. 8 under Trenton.

Pa., Phila.—Factory—Brooks Bros. Co., 4841 Lancaster St., 3 story and basement, 62 x 108 ft., brick and steel, plain foundation, to Robbins Constr. Co., 1137 North Front St. Archts. est. $75,000.

Pa., Phila. — Factory — Baxter Kelly & Faust, Tioga St. between C and Arbor Sts., 2 story and basement, 54 x 193 ft., rein.-con. and brick, plain foundation, to P. Harbach Constr. Co., 1261 North 26th St. Noted Feb. 12.

Pa., Scranton—Factory—Scranton Lace Co., 2 story, 60 x 100 ft., rein.-con. factory at Clarks-Summit, to M. C. Tuttle Co., Park Sq. Bldg., Boston, Mass.

Md., Baltimore — Factory — Maryland Glass Corp., Mt. Winans, 2 story, 30 x 83 ft., rein.-con., brick and steel Linden Ave. and Ontario Sts., to Consolidated Eng. Co., 20 East Franklin St., $60,000. Noted Mar. 5.

Ala., Birmingham—Ice Plant—Bessemer Ice & Coal Co., Bessemer, 75 x 200 ft., 60 tons daily capacity ice manufacturing plant, electrically operated, here, to Holly & Davis, 4401 Comm. Ave., Ensley, $100,000.

La., Baton Rouge—Plant—Baton Rouge Electric Co., 3,500 kw. turbo-generator, and constructing addition to plant, etc., to Stone & Webster Inc., 147 Milk St., Boston, Mass.

La., Ferriday—Mill—Fisher-Hurd Lumber Co., will build 1 story, 50 x 190 ft. hardwood mill, by day labor.

O., Cincinnati—Factory—W. Koehl Paper Box Co., 1034 Hulbert Ave., 1 story rein.-con. and brick addition, to Ferro Concrete Constr. Co., 3rd and Elm Sts., $35,000.

O., Cleveland— Cabinet Shop—G. F. Dalton, Sr., 11600 Beulah Ave., will build 2 story, 40 x 100 ft., brick and timber, 9517 Meech Ave., by day labor. $40,000. Private plans.

O., Cleveland — Factory — Electric Controller & Mfg. Co., 2698 East 79th St., altering and constructing 1 story, brick and steel addition, to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $40,000.

Ind., Indianapolis—Garage—Constructing municipal garage to Karstedt Constr. Co., 429 Semche St., $100,000.

Buildings—Industrial (Continued)

Mich., River Rouge—Mill—Ford Motor Co., Highland Park (Detroit P. O.), 1 story, 85 ft. high, 240 x 1,060 ft. steel mill, to Whitehead & Kales Co., 2361 Beecher Ave., Detroit.

Ill., Waukegan — Factory — Granert & Rothschild, 306 South Franklin St., Chicago, general contract 2 story and basement, 80 x 130 ft., timber, brick, etc., Lakeview and Clinton Sts., here, to O. Sandstrum, 127 North Genessee St. Archts. est. $60,000.

Ill., Witt — Power Plant — Indiana & Illinois Coal Co., C. Keller, pres., will build 1 and 2 story, steam power plant, rein.-con. and brick, to provide power and light in mines in Nokomis, Hillsboro, Taylor Springs, Witt, etc., by day labor. $100,000. Private plans.

Wis., Milwaukee—Plant—Wisconsin Ice & Coal Co., 320 East North Ave., will build 1 story, 80 x 90 ft., brick and timber, plain foundation, North Ave., by day labor. $45,000. O. Luhr, 118 North La Salle St., Chicago, Ill., archt. and engr.

Wis., North Milwaukee—Factory—P. W. Anton Co., 1451 Murray Ave., Milwaukee, will build 1 story, 20 x 68 ft and 52 x 70 ft., packing plant, Custer Ave., by day labor. Private plans.

Mo., St. Louis—Shop—City will build 2 story and basement, rein.-con., brick and stone building for manual training department at Bellefontaine Industrial Farm, by day labor. $50,000. L. R. Bowen and H. Updike, 301 City Hall, engrs. L. R.Bowen and C. C. Christopher, 301 City Hall, archts.

Mo., St. Louis—Industrial—Dougherty-Sheehan Real Estate Co., 721 Chestnut St., 6 story and basement, 44 x 109 ft., Olive St., by day labor under supervision W. Sheehan, 721 Chestnut St., archt.

Mo., St. Louis—Plant—Bettendorf Packing Co., 1730 South 9th St., will build 2 story and basement, 120 x 140 ft., rein.-con. and brick plant, by day labor under supervision Natl. Packers Supply Co., 405 Franklin Ave., archts. $200,000.

Tex., Ft. Worth—Plant—E. P. Maddox & Co., c/o Crystal Ice Co., 1 East Magnolia St., ice plant to supply Arlington Heights Dist., to C. T. Hodge & Co., Keene Bldg., cost plus percentage basis. Engrs. est. $50,000.

Okla., Elk City — Compress — Elk City Compress Co. will build cotton compress, 500 bale capacity, by day labor. $60,000. Engineer not announced.

Calif., Fresno—Plant—J. B. Inderrieden Co., Ventura and R Sts., 2 story and basement, 125 x 150 ft., rein.-con. packing plant, Ventura St., to J. McCullough, Fresno, approximately $200,000.

Calif., Los Angeles—Factory—Paraffine Cos., Inc., 903 North Main St., 100 x 190 ft., and 180 x 360 ft. factory buildings, both 1 story, steel and corrugated iron, Vernon Ave., to Macdonald & Kahn, Spring Arcade Bldg.

Buildings—Commercial

PROPOSED WORK

Mass., Dedham—Bank—Dedham Natl. Bank, T. L. Richardson, pres., High St., having preliminary plans prepared by L. C. Greenleaf, 101 Tremont St., Boston, 2 story and basement, rein.-con., brick and steel. $150,000.

Mass., Gloucester—Fire Station—Fire Dept. plans new central fire station. $150,000 or more. Engineer and architect not selected.

Mass., Hyde Park (Boston P. O.)—Club House—Knights of Columbus Building Assn., J. F. Rooney, chn. building comn., raising funds for club house, Hyde Park Ave., here. $150,000. Engineer and architect not selected.

Mass., Leominster—School—St. Cecelias French Catholic Church, J. E. Chicoins, pastor, takes bids about Apr. 1, 3 story and basement, brick, $150,000. W. H. Fountain, Federal Bldg., Worcester, archts. Noted Feb. 5.

Mass., Marlboro — Bank — First Natl. Bank having plans prepared by Allen & Collins, 75 Newbury St., Boston, 1 story and basement, brick and stone, plain foundation, $150,000.

Mass., Newton (Ind. br. of Boston)—Hospital—Bd. Trustees Newton Hospital, Woodland St., plans additions and extensions. $150,000 or more. Engineer and architect not selected.

Mass., Norwood — Apartment — W. P. Nickerson, Brook St., plans brick and stone, Brook St. $160,000. Engineer and architect not selected.

TUNNEL—JERSEY CITY, N. J.

Following are lowest three bids opened by New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., New York City, for constructing portion of two tunnels and two open approaches to river section of vehicular tunnel under Hudson River in Jersey City, Contr. No. 6, (A) Booth & Flinn, Ltd., 17 Battery Pl., New York City (awarded contract); (B) Rodgers & Hagerty, Inc., Grand Central Terminal, New York City; (C) Frederick L. Cranford, Inc., Foot 6th St. & Gowanus Canal, Brooklyn, N. Y. The unit bids are as follows:

	A	B	C
26,500 cu.yd. excavation above M.H.W.	$10.00	$11.00	$25.00
58,500 cu.yd. excavation below M.H.W.	10.00	11.50	25.00
1,885 cu.yd. caisson excavation	110.00	135.00	150.00
25,250 cu.yd concrete	20.00	24.00	27.80
35,700 sq.ft. pre-cast concrete forms	.60	.40	.50
1,000 bbl. mortar batches used in connection with placing concrete	4.00	5.00	8.00
110 cu.yd. brick masonry	50.00	65.00	40.00
4,220 lin.ft. granite curbing for tunnel roadway	5.00	4.50	4.50
20 cu.yd. hollow terra cotta tile	28.00	50.00	40.00
17,500 lin.ft. timber piles	2.00	.80	2.00
15 M.ft.B.M. timber cradle to support sewers	140.00	120.00	250.00
1,400 sq.yd. waterproofing, treated fabric laid with asphalt, 2 ply	1.60	2.80	2.00
2,430 sq.yd. waterproofing, treated fabric laid with asphalt, 3 ply	2.40	4.20	2.50
11,400 sq.yd. waterproofing, treated fabric laid with asphalt, 4 ply	3.20	5.60	3.00
50 sq.yd. waterproofing, treated fabric laid with asphalt, 5 ply	4.50	7.00	4.00
1,900 sq.yd. waterproofing, treated fabric laid with asphalt, 6 ply	5.10	8.50	4.00
1,885 cu.yd. waterproofing, brick in asphalt mastic inc. 1 ply treated fabric	60.00	60.00	55.00
3,000 ton built-up steel work and tie rods	150.00	116.00	175.00
3 ton bolts, castings and wrought-iron fixtures not otherwise pro. for	350.00	400.00	400.00
545 ton steel beams and shapes	150.00	116.00	175.00
385 ton steel rods and bars	200.00	110.00	100.00
25 ton wire mesh	300.00	250.00	400.00
16 air duct manhole frames with covers	150.00	200.00	400.00
335 ton furnishing new riveted steel pipe sewers	150.00	120.00	200.00
19 ton copper steel plates, bolts, nuts and washers	200.00	200.00	400.00
2,000 lb. wrought-iron or steel pipe for sub. chg's except pipe for elec. cond.	.15	.20	.15
5,150 lin.ft. galvanized iron electric conduits in the tunnel, 2 in.	.25	.45	.50
2,280 lin.ft. galvanized iron electric conduits in the tunnel, 1 in.	.35	.60	.60
11,520 lin.ft. galvanized iron electric conduits in the tunnel, 1½ in.	.60	.80	.90
1,150 lin.ft. galvanized iron electric conduits in the tunnel, 2 in.	1.00	1.30	1.00
100 lin.ft. galvanized iron electric conduits in the tunnel, 2½ in.	1.10	1.50	2.50
100 lin.ft. galvanized iron electric conduits in the tunnel, 3 in.	1.70	1.60	3.00
525 lin.ft. galvanized iron electric conduits in the tunnel, 4 in.	2.25	2.00	4.00
35 galvanized iron fixtures, outlet boxes 3½ x 3½ x 1½ in.	2.50	2.00	3.00
55 pull boxes 4 x 4 x 3 in.	3.00	3.00	4.00
30 pull boxes 6 x 10 x 4 in.	6.00	6.00	10.00
55 pull boxes 8 x 12 x 4 in.	8.50	8.00	15.00
8,500 lb. curb guards, ladders and misc. fixtures	.20	.25	.20
10 pull boxes 12 x 24 x 5 in.	17.00	20.00	17.00
140 boxes for lights in the tunnel	10.00	12.00	15.00
60 ton furnishing cast iron hub and spigot pipe for surface charges, (straight pipe)	100.00	80.00	100.00
6 ton furnishing cast iron hub and spigot pipe for surface charges, (special castings)	200.00	200.00	250.00
5 ton new C. I. manhole and catch basin fixtures, etc.	160.00	200.00	250.00
76 cast-iron exhaust air ports type A-6.	20.00	20.00	50.00
106 cast-iron exhaust air ports type E-3.	26.00	25.00	40.00
270 lin.ft. cast-iron water discharge or other tunnel service pipe, 4 in.	1.60	1.75	2.50
3,150 lin.ft. cast-iron water discharge or other tunnel service pipe, 6 in.	2.40	2.50	3.00
470 lin.ft. cast-iron water discharge or other tunnel service pipe, 8 in.	3.00	3.25	4.00
290 lin.ft. cast-iron water discharge or other tunnel service pipe, 10 in.	4.00	4.00	5.00
50 lin.ft. cast-iron water discharge or other tunnel service pipe, 12 in.	5.00	5.00	7.00
500 lb. miscellaneous bronze fixtures	1.25	1.00	1.00
1,000 lb. miscellaneous brass fixtures	1.25	1.00	1.00
24,200 lb. sheet lead for waterproofing and flashing	.20	.50	.40
26,570 duct.ft. tunnel ducts, single way	.30	.30	.30
100 duct.ft. tunnel ducts, 2-way	.30	.30	.30
600 duct.ft. tunnel ducts, 3-way	.30	.30	.30
100 duct.ft. tunnel ducts, 4-way	.30	.30	.30
1,700 duct.ft. tunnel ducts, 6-way	.35	.30	.30
3,200 duct.ft. tunnel ducts, 4-fibre	.30	.30	.40
450 sq.ft. asbestos lumber, ¼ in	.50	1.00	1.00
500 lin.ft. changing cast-iron water pipe 4 in. or under	.90	2.00	2.00
1,150 lin.ft. changing cast-iron water pipe 6 in.	1.75	2.50	3.00
860 lin.ft. changing cast-iron water pipe 10 in.	2.50	3.00	4.00
250 lin.ft. changing gas pipe (not new pipe) 4 in.	.90	2.00	4.00
50 lin.ft. changing gas pipe (not new pipe) 6 in.	1.75	2.50	5.00
2,300 lin.ft. changing creosted wood conduits 2 in.	1.50	.60	.40
100 lin.ft. laying vitrified pipe sewers 6 in. pipe	1.00	2.00	4.50
50 lin.ft. laying vitrified pipe sewers 12 in. pipe	2.00	4.00	6.00
600 lin.ft. laying vitrified pipe sewers 18 in. pipe	3.00	6.00	6.50
100 lin.ft. laying cast-iron pipe sewers 6 in. pipe	1.50	2.50	5.00
300 lin.ft. laying cast-iron pipe sewers 8 in. pipe	1.75	3.00	6.00
630 lin.ft. changing steel pipe sewers 60 in.	5.00	6.00	30.00
890 lin.ft. changing steel pipe sewers 66 in.	10.00	7.25	30.00
250 lin.ft. changing steel pipe sewers 96 in.	15.00	9.75	50.00
2,400 lin.ft. building tight board fence	2.50	3.50	3.00
500 sq.yd. restoration of stone block pavement	3.00	4.50	5.00
100 lin.ft. restoration of curbing	3.00	1.00	2.00
Extended totals	$2,582,970	$2,706,311	$4,262,462

Mass., Quincy (Boston P. O.)—Church—Atlantic Methodist Episcopal Church Society, G. V. Shedd, pastor, 62 East Squantum St., Atlantic, having plans prepared by Woodbury & Stuart, 581 Boylston St., Boston, 1 story and basement, rein.-con. and granite, plain foundation, East Squantum St., Atlantic Section, here. $150,000.

Mass., Ridgefield—School—School Comm., plans High School, Prospect St., $150,000. Engineer and architect not selected.

Mass., South Braintree—Bank—Braintree Savings Bank, L. B. Hollis, pres., having sketches made by J. W. Beale Sons Co., 62 Summer St., Boston, 2 story and basement, rein.-con., brick, steel and stone, plain foundation, $150,000.

Mass., Springfield — Mercantile — Crane Co., 62 Hampden St., having plans prepared by McClintock & Craig, 33 Lyman St., 3 story, brick, Columbus Ave. $175,000.

Mass., Wakefield—Exchange—New England Telephone and Telegraph Co., 50 Oliver St., Boston, J. E. Duffy in charge, having plans prepared by P. O. Hopkins, archt., 177 State St., Boston, 2 story and basement, rein.-con. and brick, Richardson Ave. and Foster St. $150,000.

Mass., West Springfield (Springfield P. O.) — Mercantile — Hampden Co., Impvt. League, Springfield, having plans prepared by L. R. Howe, Mittineague, 2 story and basement, 75 x 110 ft., brick mercantile building. $150,000.

Mass., Winchester — School — Town, R. Stove, chn. Building Com., plans school in eastern section. $150,000-$200,000. Engineer and architect not selected.

Mass., Worcester — School — City, J. B. Moss, chn., having plans prepared by L. W. Briggs, 314 Main St., 5 story and basement, 50 x 140 ft., brick and steel addition to Boy's Trade School. Main St. $250,000.

R. I., Providence—Church, etc.—Sacred Church of Christ, Christian Science Parish, c/o C. H. Lockwood, archt., 171 Westminster St., having revised plans prepared 1 story, 70 x 100 ft., brick and steel church

Buildings—Commercial (Continued)

and reading room, plain foundation. $150,000-$175,000. Noted Aug. 7.

R. I., Providence—School—School Com. having plans prepared by Clark & Howe, Turks Head Bldg., New Guiteres School, 2 story and basement, brick, Washington St. $245,000.

R. I., Woonsocket—Business—Kane Furniture Co., 86 South Main St., plans 4 story, brick and steel, business block, Main St. $200,000.

R. I., Woonsocket—Theatre and Stores—Famous Players Lasky, 16 East 42nd St., New York City, having plans prepared by Perry & Whipple, 15 Westminster St., Providence, theatre and stores, $150,000 or more.

Conn., Ansonia—Masonic Temple—Lodge of Masons, Bldg. Com. having preliminary plans prepared by Orr & del Grella, 956 Chapel St., New Haven, brick and stone masonic temple, $150,000.

Conn., Danbury—Home—Masonic Home, W. S. Holman, 45 Pleasant St., chn., having plans prepared by Sunderland & Watson, archts., 248 Main St., alterations and constructing brick and steel additions, Main St., $150,000.

Conn., Hartford—Hall—I. O. O. F. Assn. plans 3 story, 44 x 188 ft., fireproof hall, incl. auditorium with 1,500 seating capacity, 420 Main St. $200,000. F. Walz, 407 Trumbull St., archt.

Conn., Hartford—School—Mt. St. Joseph Academy, Hamilton Heights, plans additional buildings for junior and senior School, Farmington Ave., $150,000. Engineer and architect not selected.

Conn., New Britain—School—Bd. Educ., J. M. Halloran, chn., having plans prepared by H. Ludorf, archt., 122 Main St., 2 story and basement, brick and steel, Day, Austin and Belden Sts., $150,000. Noted Feb. 19.

Conn., New Haven — Community Center—Y. M. H. A., Crown St., having plans prepared by J. Weinstein, Metropolitan Bldg., for community center, Crown St. $250,000.

Conn., Simsbury—School—Bd. Educ. having plans prepared by School Plan Service Bureau, 2 story and basement, rein.-con., brick school, here. $150,000.

Conn., Southington—(Hartford P. O.)—School Bd. of Selectmen, Town Hall, plans 16 room and auditorium, rein.-con., brick and stone, school here, $150,000. W. T. Arnold, 34 W. Main St. Meriden. Archt.

Conn., Stamford—Church—Holy Name of Jesus Parish, F. M. Wladasz, having plans prepared by H. F. Ludorf, 122 Main St., New Britain, 1 story, brick and artificial stone, South St. $150,000.

Conn., Waterbury—School—St. Peter & Paul Roman Catholic Church having plans prepared by O'Connell & Shaw, 134 Newberry St., Boston, Mass., 2 story and basement, brick school. $150,000.

N. Y., Buffalo—Hospital, etc.—Plans to issue $500,000 bonds for J. N. Adam Memorial Hospital, $400,000 bonds for Natural Science Museum and $800,000 bonds for schools and sites.

N. Y., Kew Gardens—Apartment—M. Janofsky and M. Levin, c/o W. I. Hohauser, archt., 1400 Bway., having plans prepared 4 story, brick, steel and stone, plain foundation, $700,000.

N. Y., New York — Loft — Lanabel Realty Co., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., having plans prepared 23 story, 100 x 100 ft. brick, steel and stone, plain foundation, 8th Ave. and 38th St. $1,000,000.

N. Y., New York—Loft—M. M. Taylor, c/o G. and R. Blum, archts. and engrs., 505 5th Ave., having plans prepared brick, steel and stone, plain foundation, 38 West 48th St. $225,000.

N. Y., New York — Theatre — Fox Film Corp., 10th Ave. and 50th St., having plans prepared by T. W. Lamb, 644 8th Ave., brick, steel and stone, plain foundation, 126 East 13th St. $850,000.

N. Y., Woodhaven (branch Jamaica)—School — W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, rejected bids Mar. 4, addition to P. S. 65, 77th St., here for Bd. Educ., 500 Park Ave., New York City. Will readvertise. Noted Mar. 12.

Pa., Pittsburgh—Bank and Apartments—Bloomfield Trust Co., 474 Liberty Ave., having plans prepared by G. H. Schwan, Peoples Bank Bldg., 45 x 127 ft., Liberty Ave. $200,000.

Pa., Wellsboro—Hotel—Wellsboro Hotel Co. plans remodeling and constructing 3 story and basement, 60 x 100 ft. addition, incl. boiler plant, etc., Main St. $150,000. G. B. Dusinberre, I. J. Focht and E. G. Carson, building com.

Pa., Wilkinsburg—Theatre—Rowland & Clark, State Bldg., Pittsburgh, having plans prepared by V. Rigamount, State Bldg., Pittsburgh, 1 story, balcony and basement, 82 x 132 ft., terra cotta, brick and steel, Penn Ave., here. $150,000.

Md., Baltimore—Nurses' Home—Union Memorial Hospital, 33rd St., having plans prepared by J. E. Sperry, Calvert Bldg., 6 or 7 story brick and steel, plain foundation, 33rd St. $500,000.

Md., Baltimore—School—St. Anthony's Parochial School, Franklin Ave., having plans prepared by L. R. White, Hearst Tower, 2 story, 70 x 109 ft., brick, plain foundation, Franklin Ave. west of Belair Rd. $160,000.

Va., Norfolk—Theatre and Office—Loews, Inc., State Theatre Bldg., 45th St. and Bway., New York City, plans brick, steel and stone theatre and office building, plain foundation, here. $1,000,000. Engineer and architect not selected.

N. C., Asheville—Hotel—Chicago Syndicate of whom R. Greene is representative at Asheville, plan 8 story and basement hotel on property of J. H. Lange, Walnut St. $440,000.

N. C., Durham—Theatre—City plans theatre or auditorium. $250,000. R. W. Rigsbee, city mgr.

Ga., Atlanta—Store and Theatre—A. G. Candler, Jr., Candler Bldg., having plans prepared by Starrett & Van Vleck, 8 West 40th St., New York City, 6 story and basement, store and theatre building. $6,000,000. R. H. Macy & Co., Inc., 34th St. and Bway., New York City, lessee.

Ga., Atlanta—Theatre and Office—Loews, Inc., State Theatre Bldg., 45th St. and Bway., New York City, N. Y., plans brick and steel, Peach Tree St., here. $750,000. Engineer and architect not selected.

Ala., Birmingham—Theatre and Store—Loews, Inc., State Theatre Bldg., 45th St. and Bway., New York City, plans brick, steel and stone, plain foundation, here. $750,000. Engineer and architect not selected.

Ala., Huntsville—Hospital—City having plans prepared by F. Lockwood, 119 Adams St. hospital on site on Madison Pike, donated by H. Rhett. $150,000. To be built by public donations. Noted Apr. 10.

Tenn., Harrogate—Administration—Lincoln Memorial University and Alumni, plans to raise $200,000 funds for administration building and improvements to university. R. O. Matthews, pres.

Tenn., Memphis — Office and Store — D. Dermon, et al., Commercial Bank Bldg., had plans prepared by C. O. Pfeil & G. Awsumb, Fidelity Bank Bldg., 10 story, office and store building. Court and North 3rd Sts., and garage across street on Court St. $150,000. Noted Jan. 29.

Tenn., Nashville — Theatre — Crescent Amusement Co., T. Sudekum, pres., having plans prepared by Marr & Holman, Stahlman Bldg., remodeling building for theatre, 1,500 seating capacity, 6th and Church Sts. $160,000.

N. C., Rocky Mount—School—City plans election $150,000 bonds for school.

O., Cincinnati — Church — First Presbyterian Church, Westwood, having plans prepared by S. Hannaford & Sons, 1024 Dixie Terminal Bldg., 2 story and basement, rein.-con. and stone, Harrison St. $150,000.

O., Cleveland — Commercial — Pontiac Impvt. Co., c/o W. T. Corlett, treas., 3328 Vega Ave., plans 3 story and basement, brick, Chester Ave. and East 13th St. $150,000. Engineer and architect not selected.

O., Cleveland — Commercial and Garage —Realty Operating, c/o J. L. Falk, pres., Sloan Bldg., having plans prepared by G. A. Grieble, Sloan Bldg., 1 story, brick and steel, 7224 Euclid Ave. $150,000.

O., Cleveland—Storage—Neal Fireproof Storage Co., A. W. Neal, pres., 7208 Euclid Ave., had plans prepared by Christian, Schwarzenberg & Gaeda, 1900 Euclid Bldg., 7 story and basement, rein.-con. and brick, Detroit Ave. $250,000.

O., Cleveland—Welfare—Willard Storage Battery Co., c/o T. H. Voth, constr. engr., East 131st St., had plans prepared 2 story and basement, 30 x 200 ft., brick and concrete, East 131st St. and St. Clair Ave. $150,000. Private plans.

O., Cleveland Heights (Warrensville P. O.) — Orphanage, etc.—Jewish Orphan Home, c/o E. Joseph, 705 Union Trust Bldg., Cleveland, having plans prepared by Morris & Weinberg, 3608 Euclid Ave., Cleveland, group of 1 and 2 story, brick, steel and stucco buildings, incl. 14 cottages, administration, chapel, recreation, power house, service and garage buildings, Fairmount Rd., east of Belvoir Blvd. $1,500,000.

O., Columbus—Sales and Office—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., plans 4-story and basement, 62½ x 187½ ft., rein.-con. and brick, State and High Sts. $175,000. Engineer and architect not selected.

O., Columbus—Store—Fashion Co., High and State Sts., having sketches made 4-story and basement, 40 x 187½ ft., rein.-con. and brick, High St. $200,000. Engineer and architect not selected.

O., East Cleveland (Cleveland P. O.)—Home—A. M. McGregor Home for Aged Men & Women, W. S. Adams, Plain Dealer Bldg., Cleveland, having plans prepared by C. Schneider, 2258 Euclid Ave., Cleveland, 3 story, brick and steel, Terrace and Lee Rds., here. $300,000.

O., East Cleveland (Cleveland P. O.)—Store and Apartment—S. Newman, 10710 Drexel Ave., having plans prepared by A. F. Jannowitz, 811 Prospect Ave., Cleveland, 3 story brick and timber, Euclid and Wymore Aves. $150,000.

O., Massillon—Hotel—Droughard Bros. having plans prepared by Albrecht, Wilhelm & Kelly, 1836 Euclid Ave., Cleveland, 4 story and basement, 50 x 120 ft., brick and steel hotel. $150,000.

O., Youngstown — Mercantile — Strouss-Hirshberg Co. takes bids in spring of 1926, 6 story and basement, 119 x 300 ft., steel and brick, Federal St. $500,000.

Ind., Indianapolis—Hotel and Garage—E. G. Spink, Hume-Mansur Bldg., having plans prepared 8 story and basement, rein.-con., brick and steel hotel and garage, Meridian St. $3,500,000. Private plans.

Mich., Detroit—Apartment—Janke, Verman & Krecke, archts., 612 Bway., Central Bldg., take bids about Apr. 1, 11 story and basement, 129 x 150 ft., rein.-con., brick and steel, plain foundation, Parker and Agnew Aves., for Chippewa Apartment Co., 1130 Parker Ave. Noted Feb. 19.

Mich., Detroit—Church—Redeemer Presbyterian Church, c/o G. D. Mason & Co., archts., 80 Griswold St., having plans prepared 2 story and basement, 100x120 ft., rein.-con., brick and steel, plain foundation, West Grand Blvd. $150,000. W. H. Adams, 504 Hoffman Bldg., engr.

Mich., Detroit—Church—Woodward Ave. Christian Church, 1222 Glynn Court, plans 2 story and basement, rein.-con., brick and steel, plain foundation, Woodward and Josephine Aves. $200,000. Engineer and architect not selected.

Mich., Detroit—Hotel—Salvation Army, 2nd and Michigan Aves., plans 3 story and basement, 75 x 100 ft., and 50 x 100 ft., brick and timber, plain foundation, Howard and 6th Sts. $150,000. Engineer and architect's names withheld.

Mich., Detroit—Mercantile—Ernst Kern Co., 1030 Woodward Ave., having preliminary plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 10 story and basement, about 80 x 100 ft., rein.-con., brick and steel addition, Woodward Ave.

Mich., Detroit—Office—Whitney Estate, 1835 David Whitney Bldg., plans 25 story and basement, approximately 100 x 120 ft., rein.-con., brick and steel, Madison and Witherell Sts. Engineer and architect's names withheld.

Mich., Highland Park (Detroit P. O.)—School—Bd. Educ. had plans prepared by Burrowes & Eurich, 3633 Cass Ave., Detroit, Stevens School, 3 story and basement, 100 x 200 ft., rein.-con., brick and steel, plain foundation, Buena Vista Ave. $250,000.

Mich., Marquette — High School — Bd. Educ., W. M. Whitman, supt., having plans prepared by J. D. Chubb, 109 Dearborn St., Chicago, 3 story and basement, brick, tile and concrete high school, plain foundation. $475,000 bonds voted.

Ill., Rock Island—Hotel—Fort Armstrong Hotel Co., c/o H. H. Cleveland, Robinson Bldg., having preliminary plans prepared by Nicol, Scholer & Hoffman Co., La Fayette, Ind., 4 story and basement, 120 x 120 ft., rein.-con., brick and stone.

Ill., Wilmette—Church—St. Josephs Roman Catholic Church, c/o W. Netstreater, pastor, 1767 Lake Ave., takes bids in summer 2 story and basement, rein.-con., Lake and Ridge Aves. $150,000. H. G. Gaul, 228 East Superior St., Chicago, archt.

Wis., Cedarburg — Church — Immanuel Lutheran Congregation, c/o W. Behrens, pastor, having plans prepared by H. H. Bruns, 845 26th St., Milwaukee, 2 story, 60 x 118 ft., brick and stone church, plain foundation. $150,000.

Buildings—Commercial (Continued)

Wis., De Pere—High School—Bd. Educ., c/o E. L. Wilson, secy., School Dist. No. 1, soon takes bids 2 story and basement, brick and tile, plain foundation. $160,000. C. C. Reynolds, Dempsey Blk., Manitowoc, archt. Noted Dec. 4.

Wis., Kenosha — Clubhouse — Kenosha Lodge 286, Loyal Order of Moose, 406 Market St., having sketches made 3 story and basement, brick, tile and concrete clubhouse. $200,000. J. Goldstein, 163 Main St., chn. building com. Engineer and architect not selected.

Wis., Milwaukee—Apartment—Goodsitt & Helfaer, 4609 North Ave., having preliminary plans prepared by J. Topzant, 144 Oneida St., 3 story and basement, brick and tile, plain foundation, west side. $150,000.

Wis., Milwaukee—Apartment—Miramar Apartment Co., c/o E. G. Schroeder Co., archts., 405 Bway., having plans prepared twin apartments each 3 story and basement, 47 x 102 ft., brick and tile, plain foundation, 21st St. Total $150,000.

Wis., Milwaukee—Garage—E. W. Clark Motor Co., 456 Jackson St., had plans prepared by Buemming & Guth, 521 Jackson St., 3 story and basement, 95 x 120 ft., brick, steel and concrete, plain foundation, Ogden Ave. $150,000. Noted Oct. 23.

Wis., Milwaukee—Theatre—Keystone Investment Co., 1728 Green Bay Ave., having preliminary plans prepared by G. Kahn, 141 Wisconsin St., 2 story and basement, rein.-con. and brick, plain foundation, Fond du lac Ave. $200,000.

Wis., Milwaukee — Theatre — Badger Building Serv., 445 Milwaukee St., having plans prepared by Peacock & Frank, 445 Milwaukee St., 2 story and basement, 72 x 125 ft., brick, tile and concrete, plain foundation, Delaware Ave. $150,000.

Wis., Milwaukee—Theatre and Business—Center Realty Co., c/o R. B. Williamson, archt., 508 Bway., having plans prepared 2 story and basement, 90 x 120 ft., brick and concrete, plain foundation, Center St. $200,000.

Wis., Milwaukee—Theatre and Business—J. Goldman, 510 Mitchell St. and H. Goldman, 106 North Washington St., Green Bay, having plans prepared by H. J. Selmer Co., McCartnery Bank Bldg., Green Bay, 2 story and basement, 82 x 150 ft., brick and concrete, plain foundation, Atwater Rd. $275,000. Noted Dec. 25.

Wis., Milwaukee—Theatre and Business—J. H. Silliman, 571 Downer Ave., having plans prepared by M. Tullgren & Sons, 425 East Water St., 1 and 2 story, 102 x 200 f.t, brick and concrete, plain foundation, Teutonia Ave. $175,000.

Wis., Milwaukee—Theatre and Recreation—Reuther Realty Service, 229 Center St., having plans prepared by A. W. Hoffmann, 290 3rd St., 4 story and basement, 130x152 ft., concrete and brick, plain foundation, 3rd St. $300,000.

Wis., Milwaukee—Warehouse—Coakley Bros., 163 West Water St., having preliminary plans prepared by G. S. Kingsley, 109 North Dearborn St., Chicago, Ill., brick and concrete, plain foundation, Prospect Ave. $150,000.

Wis., Racine—Arcade—D. S. Komiss, 301 South State St., Chicago, Ill., had plans prepared by K. M. Vitzthum & Co., 615 North Michigan Ave., Chicago, Ill., 3 and 5 story, 100 x 300 ft., rein.-con. and terra cotta, top addition. $250,000.

Wis., Racine—Hotel—Racine Hotel Co., L. Fowler, 1015 College Ave., having plans prepared by Fugard & Knapp, 219 East Superior St., Chicago, Ill., brick and concrete, plain foundation, Main St. $1,000,000.

Ia., Cedar Rapids—Coliseum—Committee of Citizens having preliminary plans prepared by Cedar Rapids Society of Engineers and Architects, c/o W. J. Brown, Amer. Trust Bldg., 2 or 3 story and basement, rein.-con., brick and stone. $700,000. Noted Mar. 5.

Ia., Des Moines—Temple—Sa Ga Zig Lodge, A. A. O. N. M. S., c/o H. Harter, 702 South 6th St., having plans prepared by Sawyer & Watrous, 401 Hippee Bldg., 12 story and basement, rein.-con., brick, steel and stone temple, containing theatre, lodge rooms, etc., Pleasant St. between 8th and 9th Sts. $1,000,000. Noted Sept. 25.

Minn., Eveleth—School—Bd. Educ., W. S. King, clk., plans 2 story and basement, rein.-con., brick and stone addition and remodeling school, here. $200,000. Engineer and architect not selected.

Minn., Faribault—School—Immaculate Conception Parish, having plans prepared by Jacobson & Jacobson, 450 Northwestern Natl. Life Bldg., Minneapolis, 2 or 3 story and basement, rein.-con., brick school. $150,000.

Minn., Fergus Falls—School—Bd. Educ., W. Lincoln, clk., having plans prepared by Dennis & Knowles, Fergus Falls, 2 or 3 story, rein.-con. and brick addition, here. $150,000.

Minn., Minneapolis—Dormitory—Y. W. C. A., M. H. Paige, pres., 25 Dell Pl., plans 3 story and basement, rein.-con., brick and stone, 18th St. and 2nd Ave. S. $150,000. Engineer and architect not announced.

Minn., Minneapolis — Office — Northern States Power Co., c/o R. F. Pack, 15 South 5th St., plans 7 story and basement, rein.-con. addition. $300,000. Engineer and architect not announced.

Minn., St. Cloud—Hospital—St. Raphael's Hospital, c/o Sisters of St. Benedict, St. Joseph, plans 3 or 4 story and basement, rein.-con., brick and stone, near Hester Park. $375,000. Engineer and architect not selected.

Kan., Atchison — Hotel — Chamber of Commerce, Masonic Temple, R. Willite, genl. mgr., having plans prepared by E. J. Lawhon Constr. Co., 905 Edmund St., St. Joseph, Mo., 4 story and basement, L shape, 79 x 183 ft., concrete, brick, stone and terra cotta. $200,000. Noted Dec. 18.

Kan., Kansas City—Nurses' Home—Kansas State School of Medicine having plans prepared by C. M. Rouldridge, state archt., Topeka, nurses' home and addition. $705,000.

Kan., Kansas City—School—Bd. Educ. having preliminary plans prepared by Rose & Peterson, 442 Brotherhood Bldg., 3 story, concrete, brick and stone school for Rosedale Dist., 36th and Springfield Sts. To exceed $150,000.

Kan., Manhattan — Library — Kansas State Agricultural College having plans prepared by C. M. Routledge, Topeka, library, here. $300,000. Noted Dec. 18.

Kan., Ottawa—Commons—Ottawa University plans commons building. $500,000. Engineer and architect not selected.

Kan., Pittsburg—Hotel—St. Louis Hotel Syndicate, St. Louis, Mo., having plans prepared by C. G. Schoelch & Co., Syndicate Trust Bldg., St. Louis, Mo., 6 story and basement, L shape, East 4th and Locust Sts., here. $300,000.

Neb., Crete—College—Doane College, E. B. Doane, pres., plans 2 and 3 story college. $500,000 or more. Engineer and architect not selected.

Neb., Falls City—High School—Election in April $250,000 bonds for brick and concrete Senior High School, for Bd. Educ., c/o F. Brecht, secy. Engineer and architect not selected.

Neb., Lincoln—High School—Bd. Educ., c/o J. G. Ludlam, secy., soon takes bids Clinton High School, 2 story and basement, rein.-con., brick and stone, 29th and Holdrege Sts. $250,000. Fiske, Meginnis & Schaumburg, 533 Bankers Life Bldg., archts. Noted Jan. 15.

North Dakota—Prison, etc.—State Bd. Administation, E. G. Wanner, secy., Bismarck, plans 3 story state prison in Bismarck, $200,000, and 3 story Institute for feeble minded in Grafton, $225,000, both, rein.-con. and brick.

S. D., Spearfish—School Normal School, c/o G. M. Blake, plans rebuilding 3 story and basement, rein.-con., brick and stone school, destroyed by fire. $250,000. Engineer and architect not announced.

Mo., Clayton—Court House, etc.—St. Louis Co., c/o County Court, election Apr. 7, $715,000 bonds, 2 story and basement, court and jail, on Square. Klipstein & Rathmann, Chemical Bldg., St. Louis, archts.

Mo., Kansas City—Church—Sixth Church of Christ Science soon takes bids 2 story and basement, 106 x 110 ft., native and cut stone. $225,000. C. A. Smith, 800 Finance Bldg., archt.

Mo., Kansas City—Hotel—R. T. Collins, 1600 Grand Ave., having plans prepared by G. B. Post & Son, 1003 Pioneer Bldg., 5 story and basement, stucco, hollow tile and rein.-con., Mill Creek Blvd. $850,000.

Mo., Kansas City—Hotel—C. O. Jones, 400 Continental Bldg., having plans prepared by W. J. De Foe, 1704 Baltimore St., 7 story and basement, 63 x 70 ft., brick, rein.-con. and terra cotta.

Mo., Kansas City—Hotel—D. L. Kelley, Bonfils Bldg., having plans prepared by E. C. Farris, 3838 Main St., 7 story and basement, 80 x 175 ft., rein.-con., plain foundation, 46th and Main Sts.

Mo., Kansas City—Hotel—C. E. Phillips, 609 Victor Bldg., having plans prepared by N. E. Peters, 1006 Orear-Leslie Bldg., 5 story and basement, 72 x 122 ft., rein.-con. and brick hotel. To exceed $150,000.

Mo., Kansas City—Theatre and Shop—J. C. Nichols Investment Co., 911 Commerce Bldg., having plans prepared by E. B. Delk, Meyer Blvd. and Ward Parkway, 2 story and basement, 125 x 300 ft., probably timber theatre and shop building. Noted Mar. 5.

Mo., St. Joseph — Hospital — Bd. Pub. Wks., having preliminary plans prepared by E. R. Meier, Lincoln Bldg., isolation hospital. $150,000.

Mo., St. Louis—Apartment—F. L. Dittmeier Real Estate Co., 624 Chestnut St., having preliminary plans prepared 3 story and basement, rein.-con., brick and stone, Kingshighway and Aldine St. $225,000. Private plans.

Mo., St. Louis—Club—St. Louis Club, c/o W. F. Carter, Boatmen's Bank Bldg., plans 3 or more story and basement on site 200 x 216 ft., rein.-con., brick and stone, Maryland St. and Kingshighway. $500,000. Architect and engineer not selected.

Mo., St. Louis — Office and Lodge — Knights of Pythias, c/o St. Louis Lodge Deputies Assn., having preliminary plans prepared 10 story and basement, rein.-con. brick, stone and steel office and lodge building with clubrooms, gymnasium, swimming pool, etc., Grand and Olive Sts. Engineer and architect not announced.

Mo., St. Louis—Office—Local Syndicate, c/o Wenzlick Realty Co., 1010 Chestnut St., making preliminary plans 12 story and basement, rein.-con., brick, stone and steel, 11th and Chestnut Sts. $1,000,000. Private plans.

Ark., Lonoke—Court House and Jail—Lonoke Co. Court House Comn. takes bids about May 1, 3 story, concrete and stone court house and jail. $150,000. H. R. Burks, Southern Trust Bldg., Little Rock, archts. Noted Nov. 27.

Tex., Breckenridge—Courthouse and Jail—Stephens Co., J. W. Hill, judge, having plans prepared by D. S. Castle, 26-31 Radford Bldg., Abilene, 3 story and basement, brick, stone and rein.-con. courthouse and jail. $300,000. Noted Dec. 18.

Tex., Corpus Christi — Bank — Owner, c/o C. Pease, pres., had plans prepared by R. H. Cameron, City Natl. Bank Bldg., San Antonio, remodeling and constructing 6 story, rein.-con. and brick addition, plain and concrete pile foundation. $150,000.

Tex., Corpus Christi—Office—City Natl. Bank soon takes bids 6 story brick, stone, concrete and steel addition, plain foundation. $150,000. R. H. Cameron, 1116 City Natl. Bank Bldg., San Antonio, engr. and archt.

Tex., Dallas — Apartment — Thomas & Swaine, archts., Southwestern Life Bldg., preparing plans 9 story and basement, rein.-con. and brick, Turtle Creek Blvd. $750,000. Owner's name withheld.

Tex., Dallas — Church — City Temple Presbyterian Church Congregation, North Akard and Patterson Sts., having plans prepared by R. H. Hunt & Co., Southwestern Life Bldg., steel, brick, terra cotta and stone, plain foundation. $2,000,000. L. D. Young, pastor.

Tex., Dallas—Hall—Klan 66, c/o E. H. Silven, 2013½ Young St., plans klan hall, 8,500 seating capacity. Engineer and architect not selected.

Tex., Ft. Worth—Music Hall—Owner, c/o L. R. Scarabourough, Seminary Hall, having plans prepared by Sanguinett, Staats & Hedrick, 1st Natl. Bldg., 3 story and basement, brick, stone, rein.-con. and tile, etc., music hall. $300,000.

Tex., Hereford — High School — Plans election $150,000 bonds for new high school, for Bd. Educ., c/o Secretary. Engineer and architect not announced.

Tex., Kernes—Hotel—E. Navarro, c/o Chamber of Commerce, plans 4 story and basement, 90 x 100 ft., rein.-con., brick and stone, plain foundation. $150,000. Engineer and architect not selected.

Tex., Mineral Wells—Hotel—Webb & Co. plans rebuilding hotel, recently destroyed by fire. $750,000. S. Webb, Mineral Wells, pres. Engineer and architect not selected.

Tex., Port Arthur—Church—First Presbyterian Church Congregation and Livesay & Wiedeman, archts., Beaumont, soon take bids 2 story and basement, 50 x 80 ft., steel, stone and brick, Mobile St. $150,000.

Tex., San Angelo — Hospital — City and Baptist Church, G. W. McCall, pastor, raising $150,000 funds, 3 story and basement, rein.-con., brick and stone, plain foundation. Engineer and architect not selected.

Tex., San Antonio—Orphanage—Protestant Orphans Home, A. E. Chittim, chn. bldg. com., Milton and Eldon Sts., having plans prepared by Adams & Adams, 517

Buildings—Commercial (Continued)

Gibbs Bldg., 3 story, brick, stone and rein.-con., Bandera Rd. $250,000.

Tex., San Benito—Hotel—San Benito Hotel Co. plans 4 story and basement, rein.-con., brick and stone, plain foundation. $150,000. Engineer and architect not announced.

Tex., San Marcos—Administration—San Marcos Baptist Academy raising funds 3 story and basement, stone, brick and concrete. J. B. Brown, pres. Engineer and architect not selected.

Tex., Temple—Hotel—J. Cole plans 5 or more story and basement, rein.-con., brick and stone, plain foundation. Engineer and architect to be selected soon.

Tex., Wichita Falls—Office—Sanguinett, Staats & Hedrick, archts., 1st Natl. Bank Bldg., prepared plans and soon take bids 6 story and basement, 100 x 150 ft., rein.-con., concrete, tile, etc., here, for C. W. Snider, & J. J. Perkins, City Natl. Bank Bldg. $400,000.

Okla., Alva — Hotel — Chamber of Commerce, W. W. Starr, pres., having preliminary plans prepared by Reyburn Eng. & Constr. Co., archts. and engrs., 609 Waldheim Bldg., 6 story and basement, 42 x 74 ft., rein.-con. and brick. $150,000.

Okla., Blackwell—Office and Store—W. A. McDaniel making preliminary plans 4 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, East Blackwell and A Aves. $175,000. Enginere and architec tnot selected.

Okla., Enid—Church—First Presbyterian Congregation, c/o D. M. Diener, pastor, having plans prepared by R. Shaw, Masonic Temple, and takes bids about June 1, 1 and 2 story, rein.-con., brick and stone church and Sunday school building. $150,000.

Okla., Okmulgee — Church, etc. — St. Anthonys Parish, A. DeHasque, pastor, having preliminary plans prepared by Monnot & Reid, Elks Club Bldg., Oklahoma City, 1 story and basement, 58 x 160 ft., rein.-con., brick, hollow tile and stucco church, also 2 story and part basement, 40 x 62 ft. residence. $150,000. Noted Mar. 5.

Okla., Tulsa—Office—J. M. Gillette, 307 Commercial Bldg., had plans prepared by E. W. Saunders, Commercial Bldg., 8-story and basement, 90 x 95 ft., concrete, brick and steel. $450,000.

Colo., Denver—Church—Montview Blvd. Presbyterian Church. L. Lynch, chn. Building Com., 1965 Forrest St., having plans prepared by Hoyt & Hoyt, Colorado Natl. Bank Bldg., Montview Blvd., Dexter and Dahlia Sts. $200,000.

Colo., Denver—Seminary—Denver Diocese Catholic Church having plans prepared seminary, Louisiana and Cook Sts. $750,000. Engineer and architect not selected.

Wash., Seattle—Church—Trustees University Christian Church take bids about May 3, 2 story and basement, 92 x 200 ft. church, incl. large auditorium, recreation rooms, dining halls, pastor's study and school rooms, 15th Ave. N. E. and East 50th St. $300,000. R. H. Orr, Los Angeles, represented here by C. A. Page, Bigelow Bldg., archt.

Ore., Ashland — Normal School — State Legislature passed bill allowing $175,000 for state normal school, here.

Ore., Portland—Hotel—L. A. Phillips, c/o Pacific Mutual Life Insurance Co., Wilcox Bldg., Los Angeles, Calif., plans hotel, 5th, Taylor, 6th and Salmon Sts., here. $2,000,000.

Calif., Los Angeles—Apartment—H. D. Thornburg, 6381 Hollywood Blvd., had plans prepared 4 story and basement, 90 x 125 ft., brick, Las Palmas Ave. $150,-000. Private pans.

Calif., Los Angeles—Church and Sunday School—Thirteenth Church of Christ Scientist, having plans prepared by Allison & Allison, 1405 Hibernian Bldg., 1 story, 100 x 150 ft., rein.-con., brick and steel church, Edgemont Blvd. near Hollywood Blvd. $200,000, and Sunday School, erected at later date, $150,000. Noted Oct. 23.

Calif., Los Angeles—Hotel—Carthay Center Holding Corp., c/o H. W. Bishop, archt., 6328 Eulalia Blvd., had preliminary plans prepared 90 x 220 ft. timber hotel, Carthay Center.

Calif., Los Angeles—Store and Theatre—Carthay Center Holding Corp., c/o A. B. Rosenthal, archt., Hillstreet Bldg., having preliminary plans prepared 150 x 155 ft., rein.-con. store and theatre building, Carthay Center.

Calif., Los Angeles — Theatre — G. A. Lansburgh, archt., 700 Hillstreet Bldg., takes bids about Mar. 16, 6 story and basement, 124 x 175 ft., rein.-con. and steel, Hollywood Blvd., for C. E. Toberman, 6363 Hollywood Blvd. Noted Nov. 27.

Calif., Pasadena—School—Bd. Educ. had plans prepared by C. J. Bennett & F. H. Haskell, 600 Security Bldg., (1st unit), 200 x 220 ft., brick and timber, elementary school and auditorium, Madison Ave. $160,000.

Calif., Patton—Hospital—State Hospital Comn., W. D. Wagner, dir. State Institutions, Sacramento, plans remodeling and constructing 2 two story rein.-con. wing addition, also new sewage disposal system. $235,000.

Calif., Sacramento—Apartment—F. W. Quandt, archt., Humboldt Bank Bldg., San Francisco, preparing preliminary plans 6 story and basement, community apartment, rein.-con., facing State Capitol. Owner's name withheld.

Calif., San Francisco — Apartment — B. Lowe, 200 Davis St., had plans prepared by Baumann & Jose, 251 Kearny St., 6 story and basement, brick and steel, Stockton and Pine Sts. $160,000.

Calif., San Francisco—Exchange—Pacific Telephone & Telegraph Co., 333 Grant Ave., plans 3 story, steel, brick and concrete annex, London St. and Russia Ave. $150,000.

Calif., San Francisco—Hotel-Apartment—E. V. Lacey & J. Greenbach, 180 Jessie St., having plans prepared by C. O. Clausen, Hearst Bldg., 10 story and basement, steel and concrete, Leavenworth St. To exceed $150,000.

Calif., San Francisco—Office and Bank—Bank of Italy, Eddy and Powell Sts., plans 8 or more story, fireproof office and bank building, Market and McAllister Sts. To exceed $150,000.

Calif., San Francisco—Store—Lachman Bros., 2047 Mission St., having plans prepared by S. Heiman, 57 Post St., 6 story and basement, brick and concrete, 16th St. near Mission St. $150,000.

Calif., San Fernando—Theatre—J. T. Rennie & Son having preliminary plans prepared by E. J. Borgmeyer, California Bldg., Los Angeles, 2 story and basement, 100 x 140 ft. brick theatre, 1,200 seating capacity, North Maclay Ave.

Calif., Sunnyvale—High School—West Side Union High School Dist. having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, group fireproof high school buildings. $250,000 bonds voted.

Que., Fontainebleau — Church — Roman Catholic Church, A. Boucher, pastor, plans church. $150,000. Engineer and architects names withheld.

Que., Quebec — College — Brothers of Christian Doctrine, Quebec, having plans prepared by Bergeron & Lemay, Quebec, 5 story, 60 x 300 ft. college, St. Foye Ave. $300,000.

Ont., Ottawa—Garage—G. P. and K. Davidson & A. E. Dyment, Ottawa, plan 1 story and basement, 66 x 108 ft., rein.-con. and brick, plain foundation, Queens St. $150,000.

Ont., Ottawa — Hotel — G. P. and K. Davidson & A. E. Dyment, Ottawa, plan rebuilding 6 story and basement, 90 x 106 ft. hotel, Sparks St., destroyed by fire. $300,000.

Ont., Toronto—School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., archt., 2 story and basement, brick, tile, stone, concrete and steel addition to Earl Haig Public School. $150,000.

H. T., Honolulu — Club and Hotel — Y. W. C. A. having plans prepared by J. Morgan, Merchants Exch. Bldg., San Francisco, Calif., 3 story and basement, rein.-con. club and hotel building. $250,000.

BIDS DESIRED

Mass., Boston—Garage—J. M. Howe, 10 State St., taking bids 6 story, 140 x 180 ft., rein.-con., brick and steel, plain foundation, Cambridge and Green Sts. $1,500,000. R. H. Doane, 162 Newbury St., archt. Noted Mar. 5.

Mass., Boston — Warehouse — Morgan Memorial Corp., 89 Shawmut Ave., F. S. Moore, treas., taking bids 7 story and basement, brick, plain foundation, 36-44 Kirkland St. $150,000-$175,000. W. M. Bailey Co., 88 Broad St., archts. Noted Feb. 26.

Mass., Cambridge (Boston P. O.) — Apartment—Kanter & Steinberg, 220 Warren St., Brookline, will build 3 story and basement, 18,000 sq.ft. floor space, brick and stone, plain foundation, Crawford St. and Chapin Park, here. $360,000. Work will be done by separate contracts. Silverman, Brown & Heenan, 51 Cornhill St., Boston, archts.

Mass., Cambridge (Boston P. O.)—Store and Apartment—W. A. Riley, archt., 77 Summer St., Dorchester, taking bids 2 story and basement, 75 x 140 ft., rein.-con., brick and limestone, plain foundation, Massachusetts Ave. $175,000. Owner's name withheld.

Mass., Gloucester—Church—St. Anthony's Roman Catholic Church Society taking bids 1 story and basement, rein.-con. and stone, plain foundation, Louis and Farrington Sts. $160,000. E. T. P. Graham, 171 Newbury St., Boston, archt.

Mass., Melrose — Memorial — City c/o T. J. Edward, chn. comn., taking bids, 3 story and basement, rein.-con., brick and steel, addition to Soldiers and Sailors Memorial building, plain foundaion, $150,-000. J. R. Worcester & Co., 79 Milk St., Boston, engr. and G. F. Newton, 6 Beacon St., Boston, archt.

Mass., Pittsfield—Store and Office—Eagle Publishing Co., Eagle St., taking bids, 3 story and basement, 60 x 95 ft., rein.-con. and steel, plain foundation, Eagle St. $150,000. G. E. Haynes Co., 184 North St., archts.

Mass., Williamstown—Fraternity—Apr. 1, by Psi Upsilon Fraternity, Williams College, 3 story and basement, brick fraternity house, $150,000. Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, archts. Noted Feb. 19.

R. I., Pawtucket — High School—School Dept., City Hall, taking bids 3 story and basement, brick and steel, plain foundation, Exchange St. $250,000. R. C. N. Monahan, 255 Main St., archt. Noted Nov. 20.

R. I., Phoenix—School—School Com. taking bids 2 story and basement, rein.-con. and brick school. $150,000. W. F. Fontaine, 285 Main St., Woonsocket, archts.

R. I., Providence—Business—T. O'Gorman, c/o Rich, Bigelow & Tirell, archts., 333 Washington St., Boston, Mass., taking bids 6 story, brick, terra cotta and steel, Eddy and Westminster Sts. $150,000.

R. I., Providence—Store and Office—T. A. O'Gorman, c/o H. R. Hunt, archt., Westminster St., taking bids 6 story and basement, rein.-con. and brick, Westminster and Eddy Sts. To exceed $150,000.

Conn., New Haven—Apartment—J. Heller, 33 Cottage St., taking bids 3 story and basement, 70 x 80 ft., brick and stone, plain foundation, Edgewood and Sherman Aves., $175,000. C. H. Abramowitz, 42 Church St., New Haven, archt.

Conn., Stonington—School—Mar. 25, by W. T. Arnold, archt., 32 West Main St., Meriden, 2 story and basement, brick and stone, school, here, for Bd. Educ. $150,000.

N. Y., Brooklyn—Reception—Apr. 8, by State Hospital Comn., Albany, addition to Reception Building, at Brooklyn State Hospital, here. S. W. Jones, state archt.; adv. E. N.-R. Mar. 19.

Pa., Chester—Warehouse—Mar. 23, by C. E. Wunder, archt., 1520 Locust St., Phila., 5 story and basement, 101 x 126 ft., rein.-con. and brick, plain foundation, for W. E. Headley Co., 5th and Upland Sts. $350,000.

Pa., Harrisburg—High School—Apr. 13, by Bd. Directors School Dist., D. D. Hammelbaugh, secy., William Penn High School, 2 story and basement, 332 x 777 ft., brick or stone, containing academic unit, cafeteria, shop units, auditorium and gymnasium, etc., Market St. $1,000,000. E. Sibley, Harrisburg, consult. archt.

Pa., Johnstown — Church — Memorial Baptist Church, Vine St., B. A. Fisher, pastor, taking bids and opens same May 1, 2 story and basement, 90 x 100 ft., brick and steel, Vine St. $150,000. J. C. Fulton & Sons, Uniontown, archts.

O., Bowling Green—Library, etc.—Mar. 28, by State Bd. Trustees, Columbus, H. J. Johnston, secy., 3 story and basement, 75 x 150 ft., rein.-con. and brick library and recitation building, at Bowling Green State Normal School, here. $275,000. Hubert H. Briggs, Columbus, archt.

O., Cleveland Heights (Warrensville P. O.),—High School—Apr. 6, by Bd. Educ., W. G. Nesbit, dir., 1805 Lee Rd., Cleveland, 3 story and basement, brick, steel and concrete, Cedar & Lee Rds., $1,500,000. F. C. Warner and W. R. McCornack, Bulkley Bldg., Cleveland, archts. Noted Dec. 11.

O., Columbus—Office—Mar. 23, by Richards, McCarthy & Bulford, 584 East Broad St., 5 story and basement, rein.-con. and brick, Lexington and Broad Sts., for Ohio State Life Insurance Co., New 1st Natl. Bank Bldg., $250,000. Noted July 10.

O., Euclid—Schools—Apr. 11, by Bd. Educ., J. B. Clarke, clk., 1550 Chardon Rd., brick, steel and concrete school, Upson Rd., and additions to Noble, Roosevelt, Euclid Central and Shore High Schools. $500,000. Fuller & Taylor, 8120 Euclid Ave., Cleveland, archts. Noted Feb. 26.

Mich., Detroit—School—Mar. 16, by Bd. Educ., C. A. Gadd, bus. mgr., 1354 Broadway Ave., 2 story and part basement, rein.-con., brick, steel and stone, Emerson Ave. $175,000. Malcolmson & Higginbotham, 1217 Griswold St., archt.

Ill., Freeport—School—Mar. 31 (extended date), by E. Graham, secy. Bd. Educ. Dist. 145, Stephenson Co., 3 story and basement, 150 x 300 ft., rein.-con. and stone. $450,-000. Royer, Danely & Smith, Urbana, archts. Noted Feb. 5.

Wis., Kenosha—Hospital—N. M. Dunning, archt., 310 South Wabash Ave.,

Buildings—Commercial (Continued)

Chicago, Ill., taking bids 5 story and basement, brick and concrete addition, plain foundation, here, for Kenosha Hospital Assn., 529 South Chicago St. $300,000. Noted Jan. 8.

Wis., Milwaukee—Apartment—Mar. 23, by M. Tullgren & Sons, archts., 425 East Water St., 8 story and basement, 102 x 200 ft., brick and concrete, plain foundation, Grand Ave., for Grand Manor Bldg. Corp., 216 West Water St. $500,000. Noted Feb. 19..

Wis., Milwaukee—Synagogue—Mar. 26, by H. H. Bruns, archt., 845 26th St., concrete work only for 2 and 1 story, 86 x 132 ft., brick and concrete, plain foundation, Teutonia Ave., for Beth Israel Congregation, c/o S. Michel, 175 Queen Ann Pl. $180,000. Noted Feb. 26.

Wis., Wauwatosa—Club House—Kirchhoff & Rose, archts., 210 Sycamore St., Milwaukee, taking bids 2 story and basement, 225 ft. long, stone and concrete, plain foundation, Burleigh Rd., for Blue Mound Country Club, c/o G. F. Gregg, secy., 437 South Water St. $150,000.

Minn., Minneapolis — Auditorium — Apr. 20, by City Council, Auditorium Com., J. Peterson, chn., City Hall, 5 story and basement, 230 x 540 ft., rein.-con., steel, brick and stone, 3rd and Stevens Aves., 14th and Grant Sts. $2,500,000. Croft & Boerner, 1006 Marquette Ave., archts. Noted Dec. 11.

Tex., Corpus Christi—Bank—Mar. 25, by R. H. Cameron, archt. and engr., City Natl. Bank Bldg., San Antonio, 6 story, rein.-con. and brick addition, for City Natl. Bank, here. $150,000. Noted Mar. 2.

Tex., New Braunfels—Hotel—H. Landa, taking bids 7 story and basement, 62 x 110 ft., brick, rein.-con., hollow tile and stucco, plain foundation. $150,000. H. T. Phelps, Hicks Bldg., San Antonio, engr. and archt.

Tex., San Antonio—Bank—Apr. 7, by Phelps & DeWees, archts. and engrs., c/o Gunter Bldg., 1 story (4 story high) and part basement, 62 x 111 ft., rein.-con., stone and part steel, plain foundation, Travis and St. Marys Sts., for Commercial Natl. Bank & Commercial Loan Trust Co. $175,000. Noted Feb. 19.

Tex., Wichita Falls—Hospital—Apr. 1, by Voelcker & Dixon, archts., 312 Morgan Bldg., 4 story, 60 x 168 ft., brick, stone and rein.-con., Bluff St. from 7th to 8th Sts., for Owner, c/o A. B. Lee, doctor, Wichita Falls. $200,000.

Calif., Oakland—School—Mar. 24, by Bd. Educ., fireproof, Cole Elementary School. $200,000. Architectural Dept. Bd. Educ., City Hall, archts. Noted Nov. 23.

Ont., Kingston—Medical—Mar. 20, by W. E. McNeill, registrar, Queens University, new medical building. $200,000. T. R. P. Power, Brock St., associated archt.

Ont., Toronto—Nurses' Home—Mar. 31, by E. J. Lennox & Son, archts., 364 Bay St., 4 story and basement, 60 x 80 ft., rein.-con. and tile, plain foundation, Dunn Ave., for City. $150,000.

BIDS RECEIVED

Me., Biddeford — High School — School Comn., Town Hall, 3 story and basement, 70 x 100 ft., and 70 x 112 ft., brick and steel, plain foundation, from J. A. Benoit, Biddeford, $127,568. Archts. est. $200,000. Noted Mar. 5.

Mass., Maynard—High School—Superintendent Schools, 2 story and basement, brick and high school, from T. P. Hurley, Marlboro, $121,000. Noted Dec. 4.

Mass., Newtonville (Ind. Br. Boston)—City of Newton, H. Fitts, city chn., City Hall, 3 story and basement, brick and stone, plain foundation, Elm Rd. and Walnut St., here, from J. P. Keating Co., 80 Boylston St., Boston, $565,400; heating, from Lynch & Woodward, 202 Harrison Ave., Boston, $67,500; plumbing, from R. H. Baker Co., 304 Main St., Cambridge, $30,357. Noted Mar. 12.

Mass., West Springfield (Springfield P. O.)—School—City of Springfield, 16 room, brick, Kings Highway, here, from J. L. Shea, Springfield, $119,445. Noted Feb. 26.

N. J., Asbury Park—Store, Pavilion, etc. —City Com., Mar. 10, stores and pavilions along boardwalk between 7th and 8th Aves., also group of bathhouses between Sunset and 6th Aves., from H. Steelman Constr. Co., Asbury Park, $152,000 and $170,500 respectively. Noted Mar. 5.

Md., Baltimore—School—Bd. Awards, 1 story and basement, brick, plain foundation, Rokeby Rd., Glen Allen and Dryden Drives, from H. L. Mass & Son, Munsey Bldg., $154,500. Noted Feb. 26.

O., Fairview—School—Bd. Educ., R. P. Jordan, clk., 2 story and basement, 76 x 168 ft., brick, steel and concrete, from R. S. Ursprung, Beckman Bldg., Cleveland, $117,834. Archts. est. $200,000. Noted Feb. 19.

O., Shaker Heights (Cleveland P. O.)—Schools—Bd. Educ., J. W. Main, clk., 2 story and basement, brick, steel and concrete, at Drexmore Rd., from Alexander Bros., Williamson Bldg., $393,896, and 2 story, 9 room brick, steel and concrete addition to Boulevard School, from Schrader Constr. Co., Euclid-46th Market Bldg., Cleveland, $136,231. Noted Oct. 2.

Ill., Edwardsville—Sanitarium—Madison Co., Mar. 9, general contract 2 and 3 story, concrete and brick sanitarium, from W. G. Kuhne, Rantoul, $118,166. Noted Feb. 19.

CONTRACTS AWARDED

Mass., Boston—Apartment—Sixty-Five Commonwealth Ave. Trust, c/o McLaughlin & Burr, archts., 88 Tremont St., 7 story and basement, 60 x 105 ft., brick and limestone, plain foundation, 65 Commonwealth Ave., to Turner Constr. Co., 178 Tremont St. Archts. est. $300,000. Noted Mar. 5.

Mass., Boston—Garage—H. M. Haven & L. T. Hopkins, Inc., archts., 11 Beacon St., 8 story and basement, 130 x 150 ft., rein.-con. and steel, plain foundation, Beach St. between Washington St. and Harrison Ave., to Pultz, Inc., 173 Milk St., Boston, for Jordan Marsh & Co., Washington St. Archts. est. $500,000. Noted Jan. 29.

Mass., Brighton (Boston P. O.) — Business School — Harvard University, Cambridge, group 3 story and basement, 600 x 600 ft., brick buildings, Western Ave., Harvard and North Harvard Sts., here, to Hegeman Harris Co., 360 Madison Ave., New York City. Archts. est. $5,000,000. Noted Jan. 15 under "Cambridge."

Mass., Holyoke — Church — Holy Cross Parish, general contract 1 story, 55 x 100 ft., and 55 x 105 ft., brick and stone, to D. O'Connell & Sons, Hampden St. Archts. est. $150,000.

Mass., Lowell—Apartment—A. Marshall, 79 Nesmith St., Lawrence, will build 4 story and basement, rein.-con. and brick, Hall St., by day labor. $150,000. Davis & Byan, Hildeth Building, archts.

Mass., Lowell—Apartments—I. J. Quinn, 140 Middlesex St., will build 4 story and basement, brick apartment and store, Middlesex St., by day labor. $150,000. Davis & Byam, Hildreth Bldg., archts.

Mass., Lynn—Apartment Hotel—Pythian Castle Assn., Market St., 3 story and basement, 100 x 170 ft., rein.-con., brick and tile, plain foundation, to C. S. Cunningham Constr. Co., 80 Boylston St., Boston. Archts. est. $250,000. Noted Feb. 12.

Mass., Pittsfield—Bank—Sweeney & Farrell Corp., c/o G. E. Haynes, archt., 184 North St., 4 story and basement, 50 x 125 ft., brick and steel, North St., to J. I. Hampson Co., Inc., 184 North St. Archts. est. $200,000. Noted Feb. 5.

Mass., Pittsfield — Y. M. C. A., brick and steel addition, to D. H. Pike, 30 Eagle St. Archts. est. $150,000. Noted Feb. 26.

Mass., Roxbury (Boston P. O.)—Mercantile—M. M. Kalman, archt., Old South Bldg., Boston, 3 story and basement, brick and stone, Washington St., here, to Rand Constr. Co., 10 Tremont St., Boston. Archts. est. $150,000. Owner's name withheld. E. C. Woodman Co., 2235 Washington St., lessee. Noted Feb. 26.

Mass., Somerville — Bank — Somerville Institute for Savings, c/o N. E. Reed, pres., 84 Bway., altering 2 story and basement, brick, limestone and steel, to G. C. Irwin, 96 West Brookline St., Boston. Noted Dec. 25.

Mass., Springfield—Store and Office—H. B. Robinson, Inc., 25 Harrison Ave., 3 story and basement, brick, to C. E. J. Pinney, Inc., 374 Main St. Archts. est. $180,000. Noted Feb. 5.

Mass., West Springfield (Springfield P. O.)—School—Bd. Selectmen, 2-story and basement, brick and steel, Kings Highway, to J. L. Shea, 36 Dartmouth St., Springfield. Archts. est. $150,000.

R. I., Providence — Convent — Blessed Sacrament Parish, W. A. Doran, pastor, 171 Academy Ave. 2 story and basement, brick, to Sullivan Constr. Co., 357 Westminster St. Archts. est. $150,000.

R. I., Providence—Dormitory—Brown Universit,y E. A. Burlingham, comptroller, Hegeman Dormitory, 4 story and basement, 35 x 105 ft., and 35 x 175 ft., brick and stone, plain foundation, George St., to L. B. Maguire Co., 507 Grosvenor Bldg. Archts. est. $250,000. Noted Feb. 12.

Conn., Bridgeport — Warehouse — Logan Bros., Housatonic Ave., 3 story and basement, 50 x 100 ft., rein.-con., Housatonic Ave. and Lumber St., to E. and F. Constr. Co., 94 Wells St. Archts. est. $150,000.

Conn., Hartford—Apartment and Store—S. Rogoff, 754 Asylum St., will build 4 story, 47 x 150 ft., brick and cast stone, Capen St., by day labor. $200,000. Berenson & Moses, 30 Allyn St., archts.

Conn., Hartford — Office — Connecticut Mutual Life Insurance Co., 36 Pearl St., 3 story and basement, 184 x 250 ft., brick, steel and stone, to H. C. Irons & Sons, 101 Park Ave., New York City.

N. Y., Jamaica—High School—Bd. Educ., 500 Park Ave., New York City, general contract Jamaica High School, here, to Lustbader Constr. Co., 423 Madison Ave., New York City, $2,083,980; plumbing, to T. E. O'Brien, Inc., 6311 5th Ave., Brooklyn, $123,480. Noted Feb. 26.

N. Y., Kingston—Hotel—Kingston Community Hotel Corp., 4 story, brick, steel and stone hotel, to J. G. White Eng. Corp., 43 Exch. Pl., New York City. Archts. est. $350,000. Noted July 31.

N. Y., New York—Armory—Armory Bd., Municipal Bldg., reconstructing Squadron A armory, Madison Ave. and 94th St., to M. Miller Constr. Co., 706 6th Ave., **(A)** $168,000 **(B)** $1,240. Noted Mar. 12.

New Jersey — Schools — Hopewell Twp. School Bd., Hopewell, 2 schools, one at Hopewell and other at Pennington, general contract to Griffith & Watkins, Ward Ave., Trenton, $103,788 and $81,068 respectively. Noted Feb. 5.

N. J., Camden—Bank—Land Title Guaranty Co., 432 Market St., 2 story and basement, 38 x 100 ft., brick and steel, plain foundation, 5th and Market Sts., to Cramp Co., Denckla Bldg., Phila., Pa. Noted Feb. 12.

N. J., Camden—Hospital—West Jersey Homeopathic Hospital, Frances Child Memorial Hospital, 5 story, brick and steel, Mt. Ephraim and Atlantic Aves., to H. J. Homan, Roger Williams Bldg., Phila. $200,000. Noted Nov. 20.

Pa., Highland Park (Phila. P. O.) — Church—St. Lawrence Parish, M. F. Crowl, pastor, 1 story and basement, 36 x 78 and 65 x 99 ft., stone and steel, plain foundation, to M. W. Young, 203 North 63rd St., Phila. $165,000.

Pa., Homestead—Theatre—J. E. Stahl, 207 8th Ave., general contract 2 story, mezzanine and basement, 110 x 135 ft., brick on hollow tile, 8th Ave., to Hodder Constr. Co., Talbot Ave., Braddock. Archts. est. $200,000.

Pa., Phila.—Church—St. Bridget Roman Catholic Church, W. J. Walsh, pastor, 1½ story and basement, 70 x 97 and 52 x 71 ft. stone and steel, plain foundation, to P. H. Kelly Co., 1713 Sansom St. $225,000.

Pa., Phila.—Trade School—Bd. Educ., general contract 5 story and basement, 148 x 160 ft., rein.-con. and brick, trade school, 13th and Brandywine Sts., to McCloskey Co., 1600 Thompson St., $833,814; heating to Mellon Co., 4415 Ludlow St., $77,977; plumbing to Bolman Bros., 5th and Cumberland Sts., $32,986. Noted Mar. 12.

Pa., Phila.—Store—Seers Roebuck Co., Arthington and Homan Sts., Chicago, 1 story and basement, 27 x 440 ft., 9 story and basement, 120 x 220 ft., and 1 story and basement, 120 x 450 ft., rein.-con. and brick, plain foundation, Roosevelt Blvd., Whitaker and Langdon Sts., to Turner Constr. Co., 1713 Lansom Pl. Noted Mar. 5.

Pa., Pittsburgh—School—Church of Annunciation, c/o T. J. McCabe, pastor, 2603 Norwood Ave., 2 story and basement, 90 x 142 ft., brick and steel, to Pittsburgh Eng. and Constr. Corp., Homewood Ave. Archts. est. $150,000. Noted Feb. 19.

Md., Baltimore—School and Gymnasium —Bd. Awards, 3 story and basement, 211 x 266 ft., rein.-con., brick and steel, plain foundation, Fait Ave., 1st and Hudson Sts., to J. L. Robinson Constr. Co., 1130 West Lafayette Ave., $574,586. Noted Mar. 12.

N. C., Roaring Gap—Hotel—Roaring Gap, Inc., hotel, (1st unit) resort development, to J. A. Gardner, Charlotte, $175,000. Noted Jan. 15.

La., New Orleans — Hotel — E. Weil, archt., Whitney Central Bank Bldg., remodeling, etc., St. Charles Hotel, to G. Glover Co. Inc., Whitney Central Bank Bldg., $150,000 plus. Noted Jan. 15.

Tenn., Knoxville — Hotel — Farragut Hotel Co., 526 South Gay St., 100 room, rein.-con., brick, steel and stone, plain foundation, to A. H. Whitman, Knoxville. Archts. est. $200,000. Noted Feb. 19.

Tenn., Knoxville—Office—General Building Co., Inc., general contract 14 story, 65 x 165 ft., concrete, steel and hollow tile, Market and Clinch Sts., to Worsham Bros., Empire Bldg., approximately $700,000.

Buildings—Commercial (Continued)

O., Ashtabula—Commercial and Temple—Masonic Temple Building Co., 4 story and basement, 52 x 132 ft., brick, steel and concrete, to Payne & Beymer, Painesville. Archts. est. $150,000.

O., Cleveland—Medical Library—Cleveland Medical Library Assn., c/o F. E. Bunts, 2318 Prospect Ave., 3 story and basement, brick, steel and concrete, Euclid Ave., to Reaugh Constr. Co., 2835 East 51st St. Archts. est. $300,000. Noted Feb. 26.

O., Cleveland—School—F. C. Warner, archt., Bulkley Bldg., 2 story and basement, 60 x 140 ft., brick, steel and concrete, 2027 West 65th St., to Schirmer-O'Hara Co., 1720 Euclid Ave., for St. Colmans Roman Catholic Church, C. A. Martin, pastor, 2027 West 65th St. Archts. est. $200,000. Noted Feb. 19.

O., Cleveland—Stores, Office and Studio—F. Margolin, 2496 Derbyshire Rd., 4 story and basement, 80 x 90 ft., brick, steel and concrete, 3629 Euclid Ave., to Narosny & Libhaber, 476 East 112th St. Archts. est. $175,000.

O., East Cleveland (Cleveland P. O.) — Apartment and Store—A. Linsky, 3060 Berkshire Rd., Cleveland, 3 story, 65 x 115 ft., brick and timber, 13701 Hayden Ave., to Winikur Bros., 9305 Pierpont Ave., Cleveland. Archts. est. $150,000. Noted Jan. 8.

O., Lancaster—School—Bd. Educ., Fairfield Co., P. H. Suyder, clk., 2 story and basement, 80 x 125 ft., rein.-con. and brick, in Baltimore and Basil, to Taylor & Linn, 6 South 5th St., Zanesville, $93,000. Noted Mar. 12.

Ill., Chicago—Club—Standard Club, 2400 South Michigan Ave., 10 story, rein.-con., brick, steel and stone, Dearborn St., to Mellon-Stuart Co., 343 South Dearborn St., Chicago. Archts. est. $1,500,000. Noted Feb. 12.

Ill., Staunton — Church — St. Michaels Parish, 419 East Main St., 1 and 2 story, 58 x 127 ft., rein.-con., brick and stone church, to J. G. Hercules, Jr., Wainwright Bldg., St. Louis, Mo. Archts. est. $150,000. Noted Feb. 12.

Kan., Atchison—Hotel—Chamber of Commerce, c/o R. T. Willette, 4 story and basement, 79 x 183 ft., rein.-con., brick, stone and terra cotta, Commercial and 7th Sts., to E. W. Lawhon Constr. Co., 905 Edmond St., St. Joseph, Mo. Archts. est. $200,000. Noted Mar. 19.

Neb., Omaha—High School—Bd. Educ., c/o W. T. Bourke, secy., 3 story, Bedford stone and brick addition to South High School, to Parson Constr. Co., 404 Arthur Bldg., $675,000. Noted Feb. 12.

Mo., Kansas City—Business—G. A. Breon & Co., Cocola Bldg., 4-story and basement, 71 x 115 ft., brick, concrete and rein.-con., to Morley Bros., 2533 Penn Way.

Mo., St. Louis—Apartment—S. Koplar, 5759 Watermain Ave., 8 story and basement, 150 x 155 ft., rein.-con., brick, stone and steel, Union Blvd. and Washington St., to P. J. Bradshaw, archt., International Life Bldg., acting as general contractor and supervising construction. $1,000,000.

Mo., St. Louis—Hospital—St. Johns Hospital, 307 South Euclid Ave., 3 story and basement, rein.-con., brick and stone, Kingshighway, to Raterman Bldg. & Contg. Co., 1913 St. Louis Ave. Archts. est. $150,000.

Ark., El Dorado—Church—First Presbyterian Congregation, F. R. Dudley, pastor, general contract 2 story and basement, rein.-con., brick and stone church, to W. Peterson, 407 Court St., Little Rock, $96,700. Noted Oct. 16.

Ark., Little Rock — Apartment — H. G. Holcomb, 2411 Arch St., 4 story and basement, rein.-con., brick, tile and terra cotta, Main and 22nd Sts., to Carter & Carter, 1201 Denison St. Archts. est. $200,000.

Okla., Oklahoma City—Furniture—Harbonr-Longmire Furniture Co., 304 West Main St., 8 story and basement, 75 x 140 ft., rein.-con. and brick, plain foundation, 427-29 Main St., to C. M. Dunning, 420½ North Hudson St., $325,000. Noted Dec. 25.

Calif., Berkeley—School—Pacific School of Religion (1st unit) concrete and brick school, Arch St. and Hearst Ave., to W. Sorenson, 2940 Piedmont Ave., Oakland, $255,000.

Calif., Los Angeles—Hotel—E. Eisberg, 908 North Mott St., 4 story and basement, 155 room, brick, St. Paul Ave., to Bard & Co., Union Oil Bldg., $150,000.

Calif., Los Angeles—School—City, general contract Garfield High School, 2 story and basement, brick and concrete, 6th St. and Fraiser Ave., Belvedere, to B. D. Kronnick, 3623 South Park Ave., $417,750. Noted Feb. 26.

Calif., Los Angeles—Theatre—Barbara Realty Co., 1 and 3 story, 90 x 145 ft., concrete, plain foundation, Figueroa and Santa Barbara Sts., to Winter Constr. Co., 2400 West 7th St., $200,000.

Calif., Los Angeles — Warehouse — A. Brownstein & Co., 2 story (ultimately 4 story), 125 x 185 ft., rein.-con. and brick, East 15th St., to Macdonald & Kahn, Spring Arcade Bldg., $155,000.

Calif., Los Angeles—Warehouse—Davies Warehouse Co., 413 East 2nd St., altering 2 story, 100 x 150 ft., brick warehouse and constructing new 4 story and part basement, 137 x 173 ft., concrete warehouse, 2nd St. and Central Ave., to W. E. Warne, 1111 Marsh-Strong Bldg., $175,000.

Calif., San Francisco—Clubhouse—City and San Francisco Co. Park Comn., timber clubhouse, Golden Gate Park., to Coast Constr. Co., Crocker Bldg., $154,970.

B. C., Vancouver — Apartment — Angus Ltd., 3 story, 131 x 131 ft., rein.-con., plain foundation, Davis and Pendsell Sts., to Dominion Constr. Co. Ltd., 509 Richards St., $250,000.

B. C., Vancouver — Store — Woodwards Ltd., Hastings and Abbott Sts., 6 story and basement, 152 x 188 ft., rein.-con., brick and tile addition, Abbott and Cordova Sts., to Carter, Halls-Aldinger Co., Ltd., 626 Pender St. W. $250,000. Noted Feb. 26.

Federal Government Work

PROPOSED WORK

California — Road — U. S. Bureau Pub. Rds., 9 Main St., San Francisco, plans 5 mi. road from toll road to Red Box, and 5 mi. from Red Box to Barley Flats, in Angeles Natl. Forest.

BIDS DESIRED

Vt., Burlington—Breakwater Repairs—Apr. 2, by U. S. Engineer Office, Room 710, Army Bldg., 39 Whitehall St., New York City, repairs to breakwater here; adv. E. N.-R. Mar. 19.

N. Y., Brooklyn—Dredging—Apr. 6, by Quartermaster Supply Officer, Army Supply Base, 58th St. and 1st Ave., dredging in Slips 2 and 3; adv. E. N.-R. Mar. 19.

Va., Norfolk — Removing Wreck — Apr. 15, by U. S. Engineer Office, removing wreck of steamer Buttonwood; adv. E. N.-R. Mar. 19.

Ala., Florence—Roofing, etc.—Mar. 27, by U. S. Engineer Office, War Dept., Wash., D. C., furnishing and laying bituminous roofing for power house lead gallery at Wilson Dam.

Ky., Louisville—Lime—Apr. 16, by U. S. Engineer Office, P. O. Box 72, 1,600 tons hydrated lime for Dams 45, 46, 49, 50 and 42, Ohio River; adv. E. N.-R. Mar. 19.

Wis., Milwaukee—Cement—Mar. 25, by U. S. Engineer Office, Federal Bldg., 12,000 bbl. Portland cement.

Wis., Milwaukee — Gravel and Sand — Mar. 27, by U. S. Engineer Office, approximately 10,000 tons gravel and 5,000 tons sand.

Wis., Milwaukee—Tug—Apr. 14, by U. S. Engineer Office, steel side wheel tug; adv. E. N.-R. Mar. 19.

BIDS RECEIVED

Va., Quantico—Surface Bridge—Bureau Yards & Docks, Navy Dept., Wash., D. C., surface bridge here from L. M. Johnston, Arlington, $2,375 (65 days).

Wis., Milwaukee—Steel Bars—U. S. Engineer Office, 576,360 lb. reinforcing bars, from E. A. McCormick, 29 Bway., New York City, ¾, ⅞, and 1 in. round bars $1.97 per ton, ⅝ in. round $2.07, and ½ in. square and round $2.17. Noted Feb. 12.

CONTRACTS AWARDED

N. Y., New York—Dredging—U. S. Engineer Office, Room 710, Army Bldg., 39 Whitehall St., dredging and rock removal in East River, to Seely Eng. Co. Inc., Hudson Terminal Bldg., $137,560. Noted Feb. 12.

Pa., Pittsburgh—Derrick Boat—U. S. Engineer Office, War Dept., Wash., D. C., 1 steel hull derrick boat to Howard Ship Yards & Dock Co., Jeffersonville, Ind., $24,973.

Miss., Vicksburg—Barges—U. S. Engineer Office, P. O. Box 421, 2 creosoted wooden barges for Dams 3 and 6 Ouachita River, to West Kentucky Coal Co., Paduka, $1,750. Noted Feb. 5.

Miss., Vicksburg — Towboat — Third Mississippi River Dist. P. O. Box 404, stern wheel towboat, to Howard Ship Yards & Dock Co., Jeffersonville, Ind., $54,743. Noted Jan. 29.

Tenn., Memphis—Addition—U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., C. D. Allen, Memphis in charge, 1 story addition to U. S. Veterans Hospital, here, to D. D. Thomas & Son, Memphis, $32,975.

Kan., Leavenworth — Bridge — H. F. Stone, atty. genl. U. S. Dept., Justice, Wash., D. C., to O. H. Schmidt, 3102 Jule St., St. Joseph, Mo., cleaning and repainting bridge over Missouri River, between Federal Prison and U. S. Military Reservation, here, $15,142, reflooring old spans $19,325; new steel viaduct approach, to Wisconsin Bridge & Iron Co., 1116 Commerce Bldg., Kansas City, Mo., $58,854. Noted Mar. 5.

Unclassified

PROPOSED WORK

Electric Line Extensions—Lewiston, Me.—See "Buildings—Industrial."

Park—Brookline (Boston P. O.)—Mass.—Bd. Selectmen plans developing Brookline Field for Park. $25,000. Engineer not selected.

Coal Shed, etc.—Manchester, Conn.—G. E. Willis & Sons, Inc., 2 Main St., plans coal shed, 20 ft. high, 40 x 150 ft., trestle, spur track and tower, concrete and steel, Main St., $50,000. Private plans.

Subway — New Britain, Conn. — See "Sewers."

Pier, etc.—Buffalo, N. Y.—Plans to issue $100,000 bonds improving Bird Island Pier, also $300,000 bonds for outer harbor.

Inspection Shed Enclosures—New York, N. Y. — Bd. Transportation, 49 Lafayette St., rejected bids Mar. 13, constructing inspection shed enclosures at Westchester Ave. and 239th St. yards. Noted Mar. 5.

Gas Tank and Pumping Station — Birmingham, Ala.—Birmingham Electric Co., J. S. Peaver, pres., Ridgely Apts., plans gas tank 220 ft. high and 220 ft. diam., incl. 80 car loads of steel, 2,440 tons of steel, also pumping station. $475,000.

Swimming Pool — Anderson, Ind. — City plans 100 x 160 ft. swimming pool, 53,000 cu.ft. earth excav. M. H. Donney, City Hall, engr.

Gas Extension—Illinois—Illinois Power & Light Corp., East St. Louis, recently purchased Granite City Gas Co. and making plans to increase gas production from 5,000,000 to 12,000,000 cu.ft. per day, incl. 500,000 cu.ft. gas compressor which will permit owner to supply cities of Staunton, Gillespie, Benld, Mt. Olive, Carlinville, Hillsboro, Litchfield, Brooklyn and Venice.

Grain Elevator — Enterprise, Kan. — Kansas Flour Mills Co. having plans prepared by Horner & Wyatt, industrial archts. and consult. engrs., 300 Board of Trade Bldg., Kansas City, Mo., elevator, incl. work house with storage approximately 50,000 bushel in 15 bins, equipped with three 5,000 bushel legs and 3,000 bushel grain cleaner, car puller, power shovel, 10 round storage tanks, 20 ft. diam. and 4 large interstice bins, etc.

Grain Elevator—Omaha, Neb.—Trans-Mississippi Elevator Co., 513 Grain Exch. Bldg., plans addition to elevator, 800 bu. capacity, 13th and 1st Sts. $100,000.

Wharf—Beaumont, Tex.—Voted $225,000 bonds for wharf. R. C. Black, city engr. Noted Feb. 5 under "Buildings—Industrial."

Transmission Line—Oklahoma—Town of Hammon making preliminary surveys for distribution system and transmission line from Hammon to Elk City. $30,000. J. D. Bomford, Elk City, engr.

Gas Lighting and Heating—Prick, Okla.—Plans election $30,000 bonds for gas heating and lighting system, incl. mains, meters, etc. Engineer not selected.

Gas Distribution System—Mangum, Okla.—Plans election $70,000 bonds for gas distribution system, etc.

Overhead Crossing—Carlsbad, Calif.—State and Santa Fe R.R., 6th and Main Sts., Los Angeles, plan overhead crossing, here. $33,000. R. M. Morton, highway engr.

Tunnels—San Francisco, Calif.—City and San Francisco Co. made plans Sunset Tunnel, Dubboce Ave. Route, street cars only, 4,232 ft. long from portal to portal, 25 ft. wide, 18.9 ft. above rails, rock section 3,432 ft. long, 89,712 cu.yd. excav., 15,613 cu.yd. concrete, 686,778 lb. reinforcing earth section 800 ft. long, 21,600

Unclassified (Continued)

cu.yd. excav., 5,664 cu.yd. concrete, 386,000 lbs. reinforcing, $1,653,777 financed solely by property holders; Mission—Sunset—Eureka Valley Route, traffic tunnel, 1,634 ft. long from portal to portal, incl. approaches 1,953 ft. long, 45 ft. wide, 19 ft. high, standard tunnel section, earth, 450 ft. long, 30,800 cu.yd. excav., 9,900 cu.yd. concrete, 526,500 lbs. reinforcing, soft rock, 1,054 ft. long, 50,592 cu.yd. excav., 14,229 cu.yd. concrete, 711,450 lbs. reinforcing hard rock, 130 ft. long, 5,460 cu.yd. excav., 1,430 cu.yd. concrete, 21,710 lb. reinforcing Market St. approach, 5,750 cu.yd. excav., 825 cu.yd. concrete, 50,700 lb. reinforcing, 8,170 sq.ft. asphaltic concrete paving Cole St. approach 3,750 cu.yd. excav., 536 cu.yd. concrete, 33,163 lbs. reinforcing, 8,000 sq.ft. asphalt paving, 2,100 sq.ft. basalt paving replaced, etc., $1,572,654. M. M. O'Shaughnessy, city engr.

Amusement Pier—Santa Monica, Calif.—Casa Del Mar Club having preliminary plans prepared by C. F. Plummer, Story Bldg., Los Angeles, 80 x 645 ft. amusement pier, rein.-con. piling. $500,000.

Drilling — Camlachie, Ont. — Syndicate, E. B. Blain, 684 Main St., Hamilton, interested, plans to drill for oil and gas around Uttoxeter and Aberarder, in Plympton Twp. $50,000.

BIDS DESIRED

Culvert — Dorchester (Boston P. O.) **Mass.** — Mar. 26, by Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, rein.-con., culvert at Potters Cove, here, 1,500 cu.yd. excav. and 500 cu.yd. ballast. $25,000. J. R. Rablin, c/o owner, engr.

Wall—Melrose, Mass.—City taking bids 20 x 90 ft. rein.-con. and brick wall in memorial hall and extending present rear wall. $40,500. J. R. Worcester & Co., 79 Milk St., Boston, engrs. Noted Jan. 8.

Subway—Brooklyn, N. Y.—Mar. 27, by Bd. Transportation, 49 Lafayette St., New York City, laying tracks for portion of 4th Ave. subway line, Brooklyn Boro.

Station Finish—Long Island City, N. Y.—Mar. 27, by Bd. Transportation, 49 Lafayette St., New York City, station finish for Willets Point Blvd. Sta. on Rapid Transit R.R., Queens Boro.

Park Improvements—Minneapolis, Minn.—Mar. 30, by Bd. Park Comrs., City Hall, improving Powderhorn Lake Park, Sibley, Nicolette, and Chicago Ave. Fields, incl. walks, pools, steps, tennis courts, etc., 45,000 sq.yd. colored concrete and rein.-con., 85,749 ft. concrete curbing, etc. $48,-000. Private plans.

Street Lighting System — Dallas, Tex. — Mar. 27, by M. G. James, city secy., ornamental street lighting system on Lancaster Ave. between Jefferson Ave. 9th St., and Jefferson Ave. between Marsalis Ave. and 10th St. E. A. Kingsley, city engr.

Underpass—Nevada—Apr. 1, by State Highway Comn., Carson City, 685 ft. underpass under Central Pacific R.R. tracks in Winnemucca, Humboldt Co., 7,750 cu.yd. excav., 370 excav. for 15 in. concrete pipe and furnish 450 ft. 15 in. concrete pipe, 640 cu.yd. concrete. G. W. Borden, state highway engr.

CONTRACTS AWARDED

Athletic Field, etc. — Scituate, Mass. — Civic Centre Com. athletic field, running track, tennis courts and roadways about high school building, to R. A. Doyle, 32 Caldwell Crescent, Lynn, $23,377. Archts. est. $25,000. Noted Mar. 12.

Station Finish—New York, N. Y.—Bd. Transportation, 49 Lafayette St., station finish work at 95th St. for Rapid Transit R.R., to Suffolk Building Corp., 7 East 42nd St., $128,000.

Wharf—New Orleans, La. — Bd. Port Comrs., New Court House Bldg., furnishing structural steel for Julia St. wharf extension, to Rochester Bridge Co., Rochester, Ind., $33,606. Noted Nov. 27.

Foundation — Cleveland, O. — Ohio Bell Telephone Co., C. P. Cooper, pres., 4300 Euclid Ave., foundation for 3 story, 151 x 234 ft., brick, steel and rein.-con., East 8th St. and Huron Rd., to Lundoff-Bicknell Co., B. F. Keith Bldg. Noted Sept. 18 under "Buildings—Commercial."

Grade Separation—Springwells, Mich.—B. P. Esper, city clk., constructing grade separation, etc., for depressing Mulkey Ave. for width of 86 ft. under Michigan Central R.R. tracks incl. steel deck encased in concrete bridge, with rein.-con. piers and walls, over Southern Ave., to Duffy & Jutton, Milwaukee, Wis., $399,000. Noted Feb. 12.

Subway—Amarillo, Tex.—City, c/o J. D. Bartlett, city mgr., and Atchison, Topeka & Santa Fe Ry. Co., Railway Exch., Chicago, will build 710 ft. subway, 48 ft. wide and 16 ft. deep, by day labor. City will handle excavation, paving and concrete work, and Atchison, Topeka & Santa Fe Ry. steel and piers. $58,000. H. B. Jones, city engr. M. C. Blanchard, Amarillo, ch. engr.

Gas Pipe Line—Oklahoma—Kansas Natural Gas Co., Wichita, Kan., having surveys made 75 mi. 6- to 14-in. natural gas pipe line from Blackwell, Okla. to Wichita, Kan. $800,000. Hope Eng. Co., 603 Mayo Bldg., Tulsa, Okla., engrs.

Towers—Lake Cushman (mail Hoodsport), **Wash.**—Towers for transmission line at Narrows Crossing in connection with Cushman Power development under way to Star Iron & Steel Wks., 435 East 11th St., Tacoma, $148,804; cable and fittings, to J. A. Roebling & Sons, Tacoma, $37,612.

Wood Stave Pipe Line—Norris, Mont.—Montana Power Co., 40 East Bway., Butte, 8,000 ft. wood stave pipe, 13 ft. diam., for penstock in Madison River Canyon, near here, to Federal Pipe & Tank Co., 5332 24th St. N. W., Seattle, Wash., approximately $150,000.

Material and Equipment

PROPOSED WORK

Stone Crushing Apparatus—Gloucester, Mass. — Municipal Council, plans to purchase stone crushing apparatus, with 20 to 30 tons' capacity per day. $4,200.

Tractor — Cleveland, O. — City plans to purchase 1 tractor. A. K. Hoare, city purch. agt.

Snow Plows, etc.—Kansas City, Mo.—City plans to purchase two tractor driven snow plows and complete equipment of motor street flushing machines.

BIDS DESIRED

Tar—Augusta, Me. — Mar. 25 by State Hy. Comn. furnishing about 1,900,000 to 2,000,000 gal refined tar for cold surface treatment on gravel roads.

Road Oil, etc.—Boston, Mass.—Mar. 24, by Supply Dept., 350,000 gals. 45% asphalt road oil to Pub. Wks., Dept. Street Cleaning and Oiling Serv.; 50,000 wood blocks, to Pub. Wks. Dept. Paving Serv. F. P. Rock, supt.

Sewer Bricks—Boston, Mass. — Mar. 20, by Supply Dept., 260,000 sewer bricks also Beach Gravel delivered as required until Dec. 31, to various city depths. F. P. Rock, supt.

Sand, etc.—Medford, Mass.—Mar. 20, by purch. agt., Medford Bldg., furnishing clean sharp sand delivered at city yard, drain pipe, 10- to 24-in. 2 ft. lengths, 4 cars more or less, catch basin frames and covers 24 x 8½ in. high and catch basin traps. Tars, oils and asphalts for year 1925 to be applied to streets as called for, edgestones delivered on work 5,000 ft., of 18-in. straight stone and 500 ft. 18-in. circle stone, crushed stone sizes, 1 and 2, dust and pea dust to be delivered on work.

Fuel Oil—Long Island City, N. Y.—Mar. 20, by G. Lefer, purch. agt. for Long Island R.R., Jamaica Office Bldg., Jamaica, 3,000,-000 gals. bunker "c" fuel oil delivered in Dock 2, Long Island City.

Oil—Somerville, N. J.—Mar. 20, by Bd. Freeholders Somerset Co., W. H. Woodruff, clk., asphaltic oil, 10,000 gal. for penetration, 10,000 gal. for hot application, 10,000 gal. for cold application, and 8,000 gal. for patch work; also refined coal tar or water gas tar, 85,000 gal. for penetration, 10,000 gal. for hot application, 170,000 gal. for cold application, and 68,000 gal. for cold patching. H. C. Van Emburgh, Court House, engr.

Lime, Steam Roller, etc.—Long Island City — Mar. 23, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., 1,100 net tons lime for various disposal plants; one 5 ton tandem steam roller, one 15 ton highway trailer, one distributor, 6 asphalt motor trucks.

Pipe, etc.—Baltimore, Md.—Mar. 26, by Bd. Awards, galvanized w.i. pipe, couplings, malleable iron fittings and c.i. pipe, etc., to Water Dept. V. B. Siems, City Hall, water engr.

Ice Manufacturing Machines — Birmingham, Ala. — Bessemer Ice & Coal Co., Bessemer, in market for ice manufacturing machines. G. Woodrow, mgr.

Gravel, etc.—Bastrop, La.—See "Streets and Roads."

Tar—Cincinnati, O.—Mar. 27, by Comrs. Hamilton Co., 200,000 gal. tar Grade 1, to Repair Dept. $24,000. E. A. Gast, Court House, engr.

Loading Machines, etc.—Columbus, O.—Hub Builders Supply & Coal Co., 675 Start St., in market 1 conveyor, 2 loading and unloading machines. R. J. Dienst, purch. agt.

Loading Equipment, etc.—Piqua, O.—Piqua Washed Sand Co., in market for heavy loading equipment and medium sized steam shovel. E. F. Beckert, mgr.

Loading Machinery—Toledo, O.—Kuhlman Builders Supply & Brick Co., 723 Nicholas Bldg., in market for loading machinery for new yard. A. R. Kuhlman, purch. agt.

Crane — Detroit, Mich. — Whitehead & Kales Co., 2361 Beecher Ave., Detroit, in market for 60 ton locomotive crane.

Patrol Graders—Chippewa Falls, Wis.—W. H. Taylor, highway comr. Chippewa Co., in market for 4 or 5 patrol graders.

Road Machinery—Stevens Point, Wis.—Mar. 23, by T. E. Cauley, highway comr. Portage Co., five 1 or 1.5 ton motor trucks. Noted Dec. 11.

Road Roller—Sturgeon Bay, Wis.—City, c/o E. S. Ackerman, city clk., in market for road roller.

Street Flusher — Minneapolis, Minn. — Mar. 24, by F. S. Gram, city purch. agt., 1 street flusher mounted on a 5-ton truck. N. W. Elsberg, city engr.

Paving Material—St. Paul, Minn.—Mar. 24 by H. W. Austin, city purch. agt., 803 sq.yd. of 3 in. vertical fibre brick, 1,520 bbls. cement, 1,197 cu.yd. crushed rock or gravel and 61 tons asphalt, etc., for Beech St.; 1,600 bbls. cement, 1,224 cu.yd. crushed rock or gravel, and 92 tons asphalt for Cromwell and Bayless Aves.; 910 bbls. cement 670 cu.yd. crushed rock or gravel and 143 tons asphalt for Montrose Pl., 1,650 bbls. cement, 1,290 cu.yd. crushed rock or gravel and 73 tons asphalt for Carroll Ave. G. M. Shepard, city engr.

Road Machinery—Fargo., N. D.—Apr. 8, by F. F. Doherty, aud. Cass Co., graders, drags and engines.

Pipe, etc.—Dallas, Tex.—M. G. Jones, city secy., taking bids 6,000 ft. 6 in., 1,200 ft. 8 in., 625 ft. 12-in. and 275 ft. 18-in. tile pipe, also 600 ft. 6 x 6 in. special wyes. E. A. Kingsley, city engr.

Sweeper, etc.—Houston, Tex.—O. F. Holcombe, mayor, taking bids 2 motor pickup sweepers, two 7 ft. graders and four 1 ton trucks. W. R. Britton, city street comr.

Oil, Asphalt, etc.—Brantford, Ont.—Mar. 26, by E. J. Campbell, Bd. Wks., City Hall, asphaltic road oil, paving asphalt, vitr. sewer pipe, portland cement, limestone dust, iron castings, etc. $50,000. F. P. Adams, city engr.

Asphalt Roller, etc.—Hamilton, Ont.—Mar. 25, by S. H. Kent, city clk., one 8 ton tandem asphalt roller, and 1 concrete paving mixer. W. L. McFaul, city engr.

BIDS RECEIVED

Ties and Timber—New York, N. Y.—Bd. Transportation, 49 Lafayette St., ties and timber for constructing Rapid Transit R.R., from Robinson Lumber Co., 20 West 34th St. $13,639. Noted Mar. 5.

CONTRACTS AWARDED

Paving Blocks — Baltimore, Md. — Bd. Awards, City Hall, 100,000 red wire cut vitr. paving blocks and 30,000 buff repressed vitr. blocks, both 3 in. wide, to Westport Paving Co., Westport, $4,200 and $3,900 respectively.

Street Sweeper—Racine, Wis.—Bd. Pub Wks., 1 motor driven street sweeper, to Austin Western Mchy. Co., 400 North Michigan Ave., Chicago, Ill., $7,000. Noted Jan. 29.

Tarvia—Two Rivers, Wis.—Bd. Pub. Wks., to Amer. Tar Products Co., 208 South La Salle St., Chicago, Ill., 20,000 gal. tarvia B at $0.105 per gal., 16 bbl. tarvia A at $0.155, 8 bbl. tarvia K. P. $0.185, and 56 bbl. tarvia X $0.155. Noted Feb. 26.

Tar—Minneapolis, Minn.—F. S. Gram, city purch. agt., 500,000 gals. refined tar for Park Bd., to Barrett Co., 1 19th Ave. S., prices varying from $0.1095 to $0.1495 per gal. Noted Mar. 12.

Steel Bands, etc. — Tacoma, Wash. — For 4,320 lb. steel bands to Pacific Coast Forge Co., 3800 Iowa St., Seattle; and 112,000 lin.ft. treated staves for wood stave pipe, to Amer. Wood Pipe Co., Rust Bldg.

Asphaltic Cement—Los Angeles, Calif.—City, approximately 2,000 tons asphaltic cement, with grade "D" Calol asphalt, penetration 35 to 50 delivered in tank cars not less than tank car lots approximately 40 tons each, f.o.b. cars, City's Spur. Track at Hewitt station on Southern Pacific R.R., in San Fernando Valley Dist., for period ending June 30, 1925, to Standard Oil Co., 1727 North Spring St., at $15.30 per ton

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: April 3.

Highway Work

STATE DEPARTMENT OF PUBLIC WORKS

BUREAU OF HIGHWAYS

Albany, N. Y.

Sealed proposals will be received by the undersigned at the office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock p.m. on Friday, April 3, 1925, for improvement of highway in the following county:

CATTARAUGUS.....(One highway: 1.16 miles)

Also for the reconstruction of the following:

ALLEGANY...(One contract: 2.69 miles)
CATTARAUGUS.....(One contract: 1.18 miles)
CAYUGA.....(One contract: 1.59 miles)
CHAUTAUQUA.....(One contract: 3.86 miles)
CLINTON.....(One contract: 6.58 miles)
ERIE.....(One contract: 5.27 miles)
GENESEE.....(One contract: 4.78 miles)
JEFFERSON...(One contract: 5.93 miles)
LEWIS.....(One contract: 5.93 miles)
LIVINGSTON.....(One contract: 8.87 miles)
MADISON.....(One contract: 4.23 miles)
MONROE...(Two contracts: 8.545 & 4.01)
NIAGARA.....(One contract: 5.20 miles)
ONTARIO.....(One contract: 1.07 miles)
RENSSELAER.(One contract: 4.25 miles)
TOMPKINS..(Two contracts: 4.00 & 3.53)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Bureau in Albany, N. Y., and also at the offices of the division engineers in whose division the roads, to be constructed and reconstructed, are located. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

A. W. BRANDT,
Commissioner of Highways.

Bids: April 27.

Dredging

Leesburg, Fla.

Sealed proposals on blank forms furnished by the City and addressed to the "Mayor and Commissioners, Leesburg, Florida," will be received until 12 o'clock, noon, April 27, 1925, at Leesburg, Florida, for furnishing all equipment and labor and doing the following work:

Approximately 46,500 cu.yds. sand and muck fill.

Each bid shall be accompanied by a certified check for not less than two hundred and fifty dollars ($250.00), made payable to the City Manager.

Plans and specifications can be seen at the office of the City Manager, and bidding blanks may be obtained from him.

The right is reserved to reject any or all bids.

DR. W. A. MACKENZIE,
Mayor Commissioner.
D. E. BIVINS,
City Manager.
W. E. HARKNESS,
City Clerk.
S. H. JAUDON ENGINEERING CO.,
Engineers.
Leesburg, Florida.

OFFICIAL PROPOSALS

Bids: April 12.

Office Partitions

STATE DEPARTMENT OF LABOR

New York, N. Y.

Sealed proposals for Construction, Hearing Room, Office Partitions, State Department of Labor, 124 East 28th Street, New York City, will be received at the above address by Hon. James A. Hamilton, Industrial Commissioner, until 12 o'clock noon, Wednesday, April 1, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this state and made payable to the State of New York or money equal to 5% of the amount of the proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of 50% of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specification No. 4476. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the State Department of Labor, 124 East 28th Street, New York City, at the New York Office of the Department of Architecture, 18th Floor, Fuller Building, Broadway and 23rd St., and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained from the Department of Architecture, Capitol, Albany, N. Y., by persons or firms engaged in the lines of work required and at the discretion of the State Architect, upon deposit of a certified check or money in the sum of $10.00 made payable to the State of New York, for each set of Construction drawings and specifications, which deposit will be returned if the drawings and specifications are received in good condition by the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated March 13, 1925.

Bids: March 24.

Foundation Construction

OFFICE OF THE DIRECTOR,
DEPARTMENT OF PUBLIC WORKS

Philadelphia, Pa.

Sealed proposals will be received at Room 216, City Hall, until 12 o'clock noon on Tuesday, March 24, 1925 and opened at that time in Room 216, City Hall, for Foundation Construction comprising Excavation, Concrete Piling, Pile Capping and Bracing for A Municipal Stadium upon City-owned property east of Broad street and south of Pattison avenue, known as East League Island Park.

Plans and proposal forms may be obtained by bidders from the architects, Simon and Simon, at 249 S. Juniper Street, upon the payment of Fifty (50) Dollars, which sum will be refunded upon the return of the said specifications and plans in an undamaged condition and within one week after the opening of bids.

All proposals must be accompanied by a certified check in the amount of five (5) per cent of the bid, in accordance with the ordinance of March 7, 1924 and amendment of July 2, 1924.

GEORGE H. BILES,
Director.

OFFICIAL PROPOSALS

Bids: March 27.

Road Improvement

Oakhurst, N. J.

Notice is hereby given that sealed bids will be received by Township of Ocean for the Improvement of Roseld Avenue in the Township of Ocean and the Borough of Deal in the County of Monmouth with a Concrete surface, estimated amount of Concrete surface pavement required is 8,280 square yards, and opened and read in public at Oakhurst, N. J., on Friday, March 27th, 1925, at eight P.M.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by J. W. Seaman, Engineer, and approved by the State Highway Commission, Borough of Deal and County of Monmouth, have been filed in the office of the said engineer at 192 Broadway, Long Branch, and with the said State Highway Commission, Trenton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the engineer on proper notice and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to W. B. Jeffrey, Clerk, and must be accompanied by a Surety Company Certificate and a certified check for not less than ten (10) per cent of the amount bid, provided said check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the place and on the hour above named.

The standard proposal form is attached to the specifications, copies of which will be furnished on application to engineer.

By order of the Township of Ocean.
GEORGE E. VAN NOTE, Chairman.
Attest: W. B. JEFFREY.
Clerk of Ocean Township.

Bids: April 6.

Excavating

DEPARTMENT OF PUBLIC WORKS

Buffalo, N. Y., Mar. 13, 1925.

Sealed proposals for work and supplies as set forth below, will be received at the office of this Department, Room 5 Municipal Building, until 11 o'clock a.m., April 6th, 1925.

No proposal will be considered unless it be accompanied by a certified check, payable to the order of the Department of Public Works, in the amount specified in specifications or by a bond conforming to law; such bonds to be fifty per cent of the sum named in the proposal.

Plans and specifications and estimate of quantities can be seen, and printed forms of proposals, and any desired information, can be had on application at the Bureau of Engineering on and after this date.

This Department reserves the right to reject any and all bids, and waive any informalities.

A separate proposal must be made for the work and suppliies included in each descriptive paragraph following:

For the completion of Part I of Section No. 4 of the Buffalo River and Cazenovia Creek Improvement from about 100 feet East of South Park Avenue to about 700 feet West of Cazenovia Street.

Work consists in the removal of about 250,000 cubic yards of earth excavation.

Bid and contract will be on a price per cubic yard place measurement.

Formal advertisement will be found in the Buffalo Courier, Buffalo Times and Buffalo Post on March 19, 20, 26, 27, 1925.